

Município	ano 2022	ano 2023	ano 2024	ano 2025	ano 2026	ano 2027	ano 2028
Aceguá	2.639	2.638	2.587	2.533	2.476	2.417	2.356
Água Santa	2.209	2.225	2.193	2.159	2.125	2.089	2.053
Agudo	7.847	7.826	7.661	7.489	7.312	7.130	6.944
Ajuricaba	2.408	2.399	2.348	2.294	2.239	2.184	2.127
Alecrim	3.601	3.601	3.543	3.482	3.418	3.353	3.286
Alegrete	6.806	6.931	6.884	6.835	6.784	6.731	6.677
Alegria	1.950	1.947	1.914	1.880	1.844	1.808	1.770
Almirante Tamandaré do Sul	952	951	932	912	891	870	849
Alpestre	4.542	4.557	4.496	4.431	4.363	4.294	4.222
Alto Alegre	923	927	913	898	883	867	851
Alto Feliz	1.962	1.988	1.971	1.953	1.934	1.914	1.894
Alvorada	0	0	0	0	0	0	0
Amaral Ferrador	3.597	3.614	3.578	3.539	3.499	3.457	3.414
Ametista do Sul	2.837	2.817	2.736	2.652	2.567	2.479	2.389
André da Rocha	564	564	554	544	533	522	510
Anta Gorda	3.041	3.032	2.963	2.891	2.816	2.740	2.661
Antônio Prado	3.400	3.487	3.438	3.387	3.335	3.282	3.229
Arambaré	841	843	825	808	789	771	752
Araricá	1.673	1.748	1.772	1.795	1.818	1.840	1.862
Aratiba	2.618	2.583	2.495	2.404	2.310	2.214	2.115
Arroio do Meio	3.858	3.869	3.796	3.721	3.645	3.568	3.490
Arroio do Padre	1.908	1.919	1.893	1.866	1.837	1.807	1.775
Arroio do Sal	428	438	435	433	430	427	424
Arroio do Tigre	5.855	5.918	5.873	5.825	5.775	5.724	5.672
Arroio dos Ratos	1.223	1.264	1.280	1.295	1.310	1.324	1.339
Arroio Grande	2.112	2.101	2.054	2.005	1.956	1.907	1.856
Arvorezinha	3.425	3.422	3.348	3.273	3.195	3.117	3.037
Augusto Pestana	3.065	3.067	3.006	2.943	2.878	2.812	2.744
Áurea	1.625	1.617	1.580	1.541	1.501	1.460	1.418
Bagé	3.055	2.258	1.355	444	0	0	0
Balneário Pinhal	130	109	85	60	36	11	0
Barão	2.293	2.225	2.148	2.068	1.987	1.904	1.820
Barão de Cotegipe	1.881	1.820	1.715	1.608	1.498	1.385	1.270
Barão do Triunfo	5.058	5.118	5.104	5.087	5.069	5.050	5.030
Barra do Guarita	1.151	1.126	1.077	1.026	974	920	865
Barra do Quaraí	1.054	1.074	1.073	1.070	1.068	1.065	1.062
Barra do Ribeiro	2.847	2.896	2.891	2.885	2.878	2.871	2.863
Barra do Rio Azul	1.232	1.239	1.227	1.214	1.201	1.187	1.173
Barra Funda	697	688	664	640	614	589	563
Barracão	1.737	1.732	1.696	1.660	1.622	1.584	1.545
Barros Cassal	5.179	5.177	5.098	5.016	4.931	4.844	4.755
Benjamin Constant do Sul	1.611	1.621	1.602	1.582	1.561	1.539	1.516
Bento Gonçalves	6.005	5.900	5.577	5.251	4.922	4.590	4.257
Boa Vista das Missões	724	697	655	612	568	522	474
Boa Vista do Buricá	2.037	2.029	1.977	1.923	1.868	1.812	1.756
Boa Vista do Cadeado	1.596	1.606	1.587	1.567	1.545	1.523	1.500
Boa Vista do Incra	1.330	1.330	1.306	1.281	1.254	1.227	1.199
Boa Vista do Sul	2.316	2.336	2.329	2.320	2.311	2.301	2.291
Bom Jesus	2.369	2.367	2.320	2.272	2.223	2.173	2.123
Bom Princípio	2.118	2.141	2.074	2.006	1.937	1.867	1.796
Bom Progresso	842	828	799	769	738	706	673
Bom Retiro do Sul	2.415	2.449	2.430	2.410	2.390	2.369	2.348
Boqueirão do Leão	4.576	4.541	4.506	4.474	4.442	4.410	4.377
Bossoroca	2.458	2.479	2.463	2.445	2.427	2.408	2.389
Bozano	1.354	1.364	1.349	1.332	1.314	1.296	1.278
Braga	967	960	936	912	887	862	837
Brochier	2.499	2.489	2.424	2.355	2.285	2.212	2.137
Butiá	686	672	646	620	594	568	542
Caçapava do Sul	7.306	7.150	6.775	6.392	6.001	5.603	5.198
Cacequi	2.195	2.249	2.273	2.295	2.317	2.339	2.361
Cachoeira do Sul	10.879	11.093	11.026	10.953	10.878	10.801	10.721

Cachoeirinha	0	0	0	0	0	0	0
Cacique Doble	2.891	2.933	2.922	2.909	2.896	2.882	2.868
Caibaté	1.606	1.570	1.502	1.433	1.361	1.288	1.214
Caiçara	2.709	2.714	2.667	2.618	2.567	2.514	2.460
Camaquã	11.630	11.855	11.768	11.676	11.580	11.481	11.380
Camargo	1.143	1.125	1.078	1.029	979	928	875
Cambará do Sul	1.724	1.656	1.552	1.446	1.337	1.225	1.110
Campestre da Serra	1.883	1.907	1.892	1.877	1.862	1.845	1.829
Campina das Missões	3.232	3.256	3.219	3.180	3.139	3.097	3.054
Campinas do Sul	971	909	827	743	658	570	482
Campo Bom	2.382	2.442	2.437	2.431	2.424	2.416	2.408
Campo Novo	971	960	933	904	875	846	817
Campos Borges	1.401	1.418	1.406	1.393	1.380	1.366	1.352
Candelária	12.565	12.796	12.662	12.522	12.378	12.228	12.075
Cândido Godói	4.050	4.085	4.043	3.998	3.951	3.903	3.853
Candiota	2.364	2.098	1.760	1.409	1.099	1.099	1.099
Canela	1.495	1.421	1.298	1.173	1.049	923	797
Canguçu	28.848	29.408	29.242	29.061	28.871	28.673	28.467
Canoas	0	0	0	0	0	0	0
Canudos do Vale	1.222	1.239	1.235	1.230	1.225	1.220	1.215
Capão Bonito do Sul	1.322	1.354	1.361	1.367	1.373	1.378	1.383
Capão da Canoa	729	774	792	809	827	844	861
Capão do Cipó	2.141	2.136	2.086	2.031	1.974	1.914	1.850
Capão do Leão	1.558	1.560	1.511	1.462	1.412	1.361	1.310
Capela de Santana	3.379	3.417	3.382	3.344	3.306	3.267	3.228
Capitão	1.605	1.629	1.613	1.595	1.577	1.558	1.539
Capivari do Sul	508	501	483	465	446	428	409
Caraá	5.303	5.323	5.194	5.055	4.906	4.747	4.578
Carazinho	1.397	1.331	1.225	1.118	1.011	903	795
Carlos Barbosa	5.962	6.088	6.002	5.914	5.823	5.731	5.636
Carlos Gomes	936	937	927	915	903	891	878
Casca	2.939	2.905	2.805	2.701	2.595	2.487	2.377
Caseiros	1.416	1.415	1.385	1.355	1.323	1.290	1.257
Catuípe	2.561	2.567	2.528	2.487	2.445	2.402	2.359
Caxias do Sul	16.206	16.069	15.234	14.391	13.541	12.686	11.826
Centenário	1.531	1.523	1.484	1.443	1.400	1.355	1.309
Cerrito	2.207	2.234	2.222	2.210	2.197	2.184	2.171
Cerro Branco	2.618	2.651	2.644	2.636	2.627	2.618	2.608
Cerro Grande	1.220	1.215	1.186	1.156	1.124	1.091	1.058
Cerro Grande do Sul	6.368	6.422	6.368	6.311	6.251	6.189	6.125
Cerro Largo	2.498	2.500	2.450	2.399	2.346	2.294	2.240
Chapada	3.129	3.102	3.010	2.915	2.818	2.719	2.618
Charqueadas	988	1.013	1.008	1.003	998	993	987
Charrua	2.128	2.144	2.133	2.121	2.108	2.094	2.080
Chiapetta	1.085	1.076	1.046	1.015	984	952	920
Chuí	178	173	164	156	147	138	129
Chuvisca	4.260	4.331	4.325	4.317	4.308	4.298	4.287
Cidreira	354	347	331	315	298	282	265
Ciríaco	1.595	1.572	1.521	1.469	1.415	1.360	1.304
Colinas	1.330	1.353	1.350	1.347	1.343	1.339	1.335
Colorado	1.305	1.308	1.287	1.266	1.245	1.223	1.200
Condor	1.802	1.774	1.711	1.646	1.579	1.511	1.442
Constantina	2.313	2.203	2.039	1.871	1.700	1.524	1.345
Coqueiro Baixo	1.032	1.046	1.046	1.044	1.042	1.041	1.039
Coqueiros do Sul	1.240	1.245	1.229	1.212	1.194	1.176	1.157
Coronel Barros	1.246	1.243	1.209	1.175	1.139	1.102	1.065
Coronel Bicaco	1.626	1.573	1.499	1.422	1.344	1.265	1.184
Coronel Pilar	1.410	1.433	1.431	1.428	1.425	1.422	1.418
Cotiporã	1.733	1.751	1.735	1.718	1.700	1.682	1.664
Coxilha	895	896	881	865	849	832	816
Crissiumal	6.082	6.110	6.032	5.949	5.865	5.778	5.690
Cristal	2.206	2.219	2.188	2.156	2.123	2.090	2.056

Cristal do Sul	1.423	1.386	1.320	1.249	1.175	1.096	1.014
Cruz Alta	1.697	1.595	1.450	1.304	1.157	1.010	862
Cruzaltense	1.152	1.156	1.146	1.136	1.126	1.115	1.104
Cruzeiro do Sul	4.192	4.474	4.411	4.347	4.279	4.208	4.134
David Canabarro	1.905	1.873	1.805	1.734	1.661	1.586	1.508
Derrubadas	1.565	1.552	1.514	1.474	1.433	1.389	1.345
Dezesseis de Novembro	1.822	1.834	1.820	1.806	1.791	1.776	1.759
Dilermando de Aguiar	1.738	1.764	1.760	1.755	1.750	1.744	1.738
Dois Irmãos	444	469	479	489	499	509	518
Dois Irmãos das Missões	960	963	948	932	915	898	881
Dois Lajeados	1.440	1.441	1.416	1.389	1.362	1.334	1.306
Dom Feliciano	9.484	9.596	9.545	9.489	9.430	9.368	9.305
Dom Pedrito	3.329	3.386	3.348	3.308	3.267	3.226	3.183
Dom Pedro de Alcântara	1.469	1.476	1.454	1.430	1.405	1.380	1.354
Dona Francisca	1.032	1.040	1.031	1.021	1.011	1.001	990
Doutor Maurício Cardoso	1.802	1.786	1.743	1.699	1.653	1.606	1.559
Doutor Ricardo	898	874	832	788	742	694	643
Eldorado do Sul	2.396	1.997	1.511	1.018	518	11	0
Encantado	2.440	2.466	2.438	2.409	2.380	2.350	2.319
Encruzilhada do Sul	6.196	6.174	6.040	5.902	5.761	5.618	5.474
Engenho Velho	714	706	686	666	644	622	599
Entre Rios do Sul	704	696	677	658	638	618	597
Entre-Ijuís	3.562	3.567	3.496	3.423	3.348	3.271	3.193
Erebango	1.065	1.088	1.089	1.089	1.090	1.090	1.090
Erechim	3.831	3.692	3.419	3.144	2.868	2.590	2.311
Ernestina	1.250	1.214	1.151	1.085	1.017	946	929
Erval Grande	1.735	1.690	1.610	1.527	1.442	1.355	1.265
Erval Seco	3.292	3.287	3.230	3.170	3.108	3.045	2.981
Esmeralda	1.109	1.095	1.057	1.019	979	939	898
Esperança do Sul	2.280	2.285	2.244	2.200	2.154	2.105	2.054
Espumoso	3.416	3.364	3.248	3.128	3.007	2.883	2.759
Estação	728	735	730	724	718	712	706
Estância Velha	1.377	1.447	1.464	1.480	1.495	1.510	1.525
Esteio	41	40	38	37	35	33	31
Estrela	4.608	4.715	4.676	4.635	4.593	4.549	4.504
Estrela Velha	1.736	1.710	1.657	1.600	1.541	1.479	1.415
Eugênio de Castro	954	923	872	820	765	710	652
Fagundes Varela	1.147	1.156	1.142	1.127	1.112	1.096	1.081
Farroupilha	9.136	9.520	9.217	8.909	8.597	8.280	7.959
Faxinal do Soturno	1.760	1.751	1.706	1.659	1.612	1.564	1.516
Faxinalzinho	1.058	1.060	1.042	1.023	1.004	984	964
Fazenda Vilanova	1.832	1.844	1.812	1.779	1.746	1.711	1.675
Feliz	2.840	2.825	2.769	2.711	2.653	2.594	2.534
Flores da Cunha	6.471	6.390	6.087	5.778	5.464	5.144	4.820
Floriano Peixoto	1.228	1.226	1.206	1.184	1.161	1.137	1.112
Fontoura Xavier	4.615	4.570	4.446	4.317	4.183	4.046	3.904
Formigueiro	3.675	3.717	3.694	3.670	3.644	3.618	3.591
Forquetinha	1.659	1.663	1.634	1.604	1.572	1.539	1.504
Fortaleza dos Valos	1.223	1.208	1.169	1.129	1.089	1.048	1.006
Frederico Westphalen	5.348	5.406	5.298	5.188	5.075	4.961	4.845
Garibaldi	3.443	3.423	3.288	3.151	3.013	2.873	2.732
Garruchos	1.769	1.793	1.792	1.790	1.788	1.785	1.782
Gaurama	1.901	1.880	1.821	1.761	1.700	1.637	1.574
General Câmara	3.141	3.198	3.201	3.204	3.205	3.206	3.207
Gentil	783	771	739	706	672	637	600
Getúlio Vargas	1.806	1.793	1.744	1.695	1.645	1.594	1.543
Giruá	3.062	3.034	2.959	2.881	2.803	2.723	2.643
Glorinha	3.475	3.389	3.217	3.037	2.849	2.653	2.449
Gramado	5.446	5.554	5.467	5.378	5.287	5.194	5.100
Gramado dos Loureiros	1.394	1.400	1.384	1.366	1.348	1.329	1.309
Gramado Xavier	2.795	2.828	2.821	2.812	2.803	2.793	2.783
Gravataí	10.419	10.218	9.625	9.026	8.422	7.815	7.204

Guabiju	673	672	660	647	634	621	607
Guaíba	2.330	2.405	2.407	2.409	2.409	2.409	2.408
Guaporé	2.136	2.168	2.130	2.090	2.050	2.010	1.968
Guarani das Missões	2.511	2.518	2.481	2.442	2.403	2.362	2.322
Harmonia	1.691	1.679	1.622	1.564	1.505	1.444	1.382
Herval	1.859	1.837	1.783	1.726	1.669	1.611	1.551
Herveiras	1.962	2.021	2.010	1.999	1.986	1.972	1.958
Horizontina	2.842	2.835	2.771	2.707	2.641	2.574	2.507
Hulha Negra	3.420	3.496	3.504	3.511	3.517	3.522	3.527
Humaitá	1.722	1.727	1.699	1.671	1.642	1.612	1.582
Ibarama	2.519	2.536	2.515	2.492	2.468	2.444	2.419
Ibiaçá	1.377	1.360	1.317	1.273	1.228	1.182	1.135
Ibiraíaras	2.946	2.923	2.881	2.836	2.791	2.744	2.697
Ibirapuitã	1.168	1.119	1.049	975	900	822	742
Ibirubá	3.609	3.580	3.471	3.360	3.247	3.134	3.019
Igrejinha	2.079	2.227	2.254	2.281	2.307	2.331	2.355
Ijuí	7.209	7.296	7.083	6.866	6.646	6.423	6.198
Ilópolis	1.826	1.831	1.799	1.767	1.733	1.698	1.663
Imbé	2	0	0	0	0	0	0
Imigrante	1.319	1.301	1.255	1.207	1.158	1.107	1.055
Independência	1.939	1.928	1.879	1.829	1.778	1.726	1.673
Inhacorá	711	712	702	691	680	669	657
Ipê	2.121	2.188	2.144	2.098	2.051	2.003	1.954
Ipiranga do Sul	982	985	973	959	946	931	917
Iraí	3.171	3.238	3.249	3.259	3.268	3.277	3.285
Itaara	1.085	1.089	1.068	1.047	1.026	1.004	982
Itacurubi	1.623	1.628	1.610	1.590	1.570	1.550	1.529
Itapuca	1.392	1.400	1.387	1.374	1.360	1.346	1.331
Itaqui	3.860	3.945	3.921	3.896	3.869	3.841	3.813
Itati	1.782	1.722	1.614	1.494	1.360	1.211	1.078
Itatiba do Sul	1.469	1.451	1.416	1.378	1.340	1.302	1.262
Ivorá	1.199	1.210	1.201	1.191	1.181	1.170	1.159
Ivoti	1.838	1.860	1.840	1.820	1.799	1.778	1.756
Jaboticaba	1.822	1.810	1.765	1.719	1.671	1.622	1.571
Jacuizinho	1.439	1.446	1.434	1.421	1.407	1.393	1.378
Jacutinga	910	886	846	805	763	720	676
Jaguarão	1.885	1.909	1.879	1.847	1.816	1.783	1.751
Jaguari	4.174	4.212	4.177	4.140	4.102	4.062	4.022
Jaquirana	1.277	1.287	1.276	1.264	1.252	1.240	1.227
Jari	2.436	2.452	2.423	2.392	2.360	2.326	2.291
Jóia	4.974	5.029	5.007	4.983	4.957	4.930	4.902
Júlio de Castilhos	2.768	2.779	2.744	2.707	2.669	2.631	2.593
Lagoa Bonita do Sul	1.788	1.802	1.790	1.777	1.763	1.748	1.732
Lagoa dos Três Cantos	612	603	581	558	534	509	484
Lagoa Vermelha	3.068	3.040	2.909	2.776	2.641	2.505	2.368
Lagoão	3.452	3.456	3.407	3.354	3.300	3.243	3.185
Lajeado	323	82	0	0	0	0	0
Lajeado do Bugre	1.756	1.771	1.749	1.725	1.700	1.673	1.646
Lavras do Sul	1.304	1.245	1.162	1.077	991	903	814
Liberato Salzano	3.153	3.145	3.091	3.034	2.974	2.912	2.848
Lindolfo Collor	996	1.006	988	969	949	930	910
Linha Nova	1.244	1.268	1.267	1.265	1.262	1.260	1.257
Maçambará	3.234	3.268	3.262	3.254	3.245	3.235	3.226
Machadinho	1.850	1.832	1.775	1.715	1.655	1.593	1.530
Mampituba	2.307	2.301	2.242	2.178	2.110	2.036	1.957
Manoel Viana	1.631	1.656	1.655	1.653	1.651	1.649	1.646
Maquiné	4.842	4.918	4.889	4.858	4.825	4.790	4.755
Maratá	1.591	1.610	1.598	1.585	1.572	1.558	1.544
Marau	4.242	4.165	3.951	3.734	3.514	3.293	3.069
Marcelino Ramos	1.983	2.006	2.001	1.994	1.987	1.979	1.972
Mariana Pimentel	3.263	3.333	3.335	3.336	3.336	3.335	3.333
Mariano Moro	726	720	703	685	667	649	630

Marques de Souza	2.260	2.288	2.272	2.256	2.238	2.220	2.202
Mata	1.910	1.911	1.878	1.844	1.810	1.774	1.738
Mato Castelhana	1.818	1.838	1.819	1.798	1.777	1.755	1.732
Mato Leitão	2.786	2.852	2.847	2.841	2.834	2.826	2.818
Mato Queimado	1.099	1.101	1.080	1.058	1.035	1.012	987
Maximiliano de Almeida	1.264	1.231	1.179	1.125	1.071	1.015	958
Minas do Leão	255	257	254	252	249	246	243
Miraguaí	2.095	2.090	2.049	2.007	1.964	1.919	1.874
Montauri	705	698	677	654	631	608	583
Monte Alegre dos Campos	2.458	2.451	2.388	2.319	2.244	2.163	2.074
Monte Belo do Sul	1.755	1.776	1.764	1.750	1.736	1.721	1.706
Montenegro	10.940	12.191	12.404	12.612	12.814	13.012	13.203
Mormaço	2.040	2.065	2.050	2.032	2.014	1.996	1.976
Morrinhos do Sul	1.602	1.575	1.515	1.453	1.387	1.318	1.247
Morro Redondo	3.130	3.153	3.116	3.077	3.037	2.996	2.954
Morro Reuter	1.642	1.704	1.731	1.758	1.784	1.809	1.834
Mostardas	3.761	3.789	3.741	3.692	3.642	3.591	3.538
Muçum	660	656	639	622	605	588	570
Muitos Capões	2.074	2.118	2.122	2.125	2.128	2.130	2.132
Muliterno	1.043	1.047	1.031	1.015	998	980	962
Não-Me-Toque	1.874	1.852	1.789	1.724	1.659	1.594	1.528
Nicolau Vergueiro	986	984	959	932	905	877	848
Nonoai	3.412	3.452	3.412	3.370	3.328	3.285	3.241
Nova Alvorada	1.385	1.359	1.305	1.248	1.189	1.128	1.065
Nova Araçá	925	900	852	802	751	700	648
Nova Bassano	2.921	2.891	2.794	2.695	2.593	2.490	2.385
Nova Boa Vista	1.076	1.070	1.040	1.009	977	943	908
Nova Brésia	1.513	1.512	1.483	1.452	1.421	1.389	1.355
Nova Candelária	1.747	1.695	1.597	1.491	1.378	1.256	1.126
Nova Esperança do Sul	899	890	863	834	806	776	747
Nova Hartz	1.926	1.922	1.878	1.833	1.787	1.740	1.693
Nova Pádua	1.535	1.549	1.533	1.517	1.500	1.482	1.464
Nova Palma	2.117	2.093	2.033	1.972	1.909	1.845	1.779
Nova Petrópolis	5.302	5.511	5.467	5.421	5.373	5.323	5.272
Nova Prata	4.028	4.097	4.031	3.963	3.894	3.824	3.752
Nova Ramada	1.453	1.478	1.479	1.479	1.479	1.479	1.478
Nova Roma do Sul	1.773	1.795	1.780	1.764	1.748	1.731	1.714
Nova Santa Rita	3.029	2.906	2.670	2.432	2.190	1.945	1.698
Novo Barreiro	2.247	2.224	2.149	2.070	1.988	1.903	1.815
Novo Cabrais	2.994	3.033	3.020	3.004	2.987	2.969	2.951
Novo Hamburgo	5.610	5.786	5.856	5.924	5.990	6.054	6.117
Novo Machado	1.591	1.581	1.548	1.514	1.479	1.443	1.406
Novo Tiradentes	1.268	1.270	1.248	1.225	1.202	1.177	1.152
Novo Xingu	860	850	824	796	768	738	707
Osório	3.599	3.541	3.375	3.207	3.037	2.866	2.694
Paim Filho	1.501	1.498	1.472	1.444	1.416	1.387	1.357
Palmares do Sul	911	878	824	768	712	656	599
Palmeira das Missões	3.465	3.430	3.292	3.153	3.012	2.869	2.725
Palmitinho	3.446	3.447	3.367	3.283	3.197	3.109	3.019
Panambi	3.211	3.203	3.086	2.967	2.847	2.726	2.604
Pantano Grande	1.417	1.440	1.433	1.426	1.419	1.411	1.403
Paraí	2.528	2.516	2.449	2.380	2.309	2.237	2.163
Paraíso do Sul	3.537	3.503	3.407	3.307	3.202	3.094	2.983
Pareci Novo	3.025	3.079	3.056	3.032	3.006	2.980	2.952
Parobé	2.111	2.195	2.221	2.247	2.271	2.295	2.319
Passa Sete	3.430	3.465	3.458	3.449	3.439	3.429	3.418
Passo do Sobrado	4.370	4.427	4.396	4.362	4.327	4.290	4.251
Passo Fundo	3.543	3.574	3.476	3.376	3.275	3.174	3.071
Paulo Bento	1.338	1.343	1.323	1.301	1.278	1.254	1.230
Paverama	3.364	3.390	3.348	3.305	3.261	3.216	3.170
Pedras Altas	1.334	1.357	1.357	1.357	1.356	1.355	1.353
Pedro Osório	438	432	418	404	389	375	360

Pejuçara	1.114	1.124	1.113	1.102	1.090	1.078	1.066
Pelotas	20.033	20.557	20.471	20.377	20.277	20.172	20.061
Picada Café	1.634	1.702	1.736	1.769	1.801	1.833	1.864
Pinhal	1.441	1.458	1.440	1.421	1.402	1.382	1.362
Pinhal da Serra	1.546	1.562	1.544	1.525	1.505	1.484	1.462
Pinhal Grande	1.660	1.631	1.576	1.519	1.460	1.399	1.337
Pinheirinho do Vale	3.562	3.623	3.613	3.601	3.588	3.574	3.559
Pinheiro Machado	2.271	2.257	2.206	2.153	2.100	2.046	1.992
Pinto Bandeira	1.896	1.937	1.938	1.939	1.939	1.939	1.938
Pirapó	1.442	1.423	1.403	1.381	1.358	1.334	1.311
Piratini	6.196	6.175	6.056	5.934	5.809	5.682	5.552
Planalto	4.005	4.032	3.981	3.927	3.872	3.815	3.758
Poço das Antas	974	976	955	934	913	890	868
Pontão	1.607	1.586	1.539	1.490	1.439	1.387	1.333
Ponte Preta	1.012	1.013	997	979	961	942	922
Portão	4.186	4.208	4.092	3.975	3.856	3.735	3.613
Porto Alegre	2.142	835	0	0	0	0	0
Porto Lucena	2.215	2.221	2.197	2.171	2.145	2.119	2.092
Porto Mauá	1.279	1.291	1.284	1.276	1.268	1.260	1.252
Porto Vera Cruz	1.163	1.177	1.174	1.170	1.166	1.162	1.157
Porto Xavier	3.735	3.743	3.682	3.619	3.555	3.489	3.422
Pouso Novo	989	995	983	970	956	942	928
Presidente Lucena	1.029	1.024	992	960	926	892	857
Progresso	3.323	3.337	3.298	3.258	3.215	3.172	3.127
Protásio Alves	1.487	1.508	1.499	1.489	1.478	1.467	1.455
Putinga	2.042	2.044	2.011	1.977	1.941	1.905	1.867
Quaraí	1.747	1.775	1.770	1.763	1.756	1.749	1.741
Quatro Irmãos	638	639	630	620	611	601	590
Quevedos	1.529	1.536	1.514	1.492	1.469	1.445	1.421
Quinze de Novembro	1.517	1.520	1.490	1.458	1.426	1.394	1.360
Redentora	6.437	6.550	6.542	6.532	6.519	6.506	6.492
Relvado	953	950	930	910	888	867	844
Restinga Seca	5.782	5.800	5.720	5.636	5.550	5.463	5.374
Rio dos Índios	1.919	1.906	1.867	1.825	1.782	1.736	1.689
Rio Grande	8.383	8.723	8.767	8.807	8.845	8.880	8.912
Rio Pardo	10.361	10.638	10.627	10.611	10.593	10.572	10.548
Riozinho	1.587	1.616	1.612	1.608	1.603	1.598	1.592
Roca Sales	2.988	2.928	2.804	2.677	2.548	2.416	2.282
Rodeio Bonito	2.132	2.184	2.185	2.185	2.184	2.183	2.182
Rolador	1.551	1.560	1.543	1.525	1.506	1.486	1.466
Rolante	4.675	4.777	4.781	4.782	4.782	4.782	4.780
Ronda Alta	2.415	2.282	2.099	1.910	1.717	1.519	1.315
Rondinha	2.416	2.407	2.355	2.301	2.245	2.189	2.130
Roque Gonzales	3.335	3.346	3.298	3.248	3.197	3.144	3.091
Rosário do Sul	3.974	4.073	4.062	4.049	4.034	4.019	4.003
Sagrada Família	1.381	1.378	1.349	1.319	1.287	1.255	1.221
Saldanha Marinho	684	678	660	642	623	604	585
Salto do Jacuí	1.415	1.391	1.346	1.299	1.253	1.205	1.158
Salvador das Missões	1.219	1.206	1.161	1.115	1.067	1.018	967
Salvador do Sul	2.525	2.572	2.510	2.446	2.381	2.314	2.245
Sananduva	4.021	3.989	3.872	3.753	3.632	3.509	3.384
Santa Bárbara do Sul	1.465	1.466	1.442	1.417	1.391	1.365	1.339
Santa Cecília do Sul	996	999	981	962	943	923	902
Santa Clara do Sul	2.048	1.953	1.803	1.647	1.486	1.320	1.149
Santa Cruz do Sul	13.271	13.570	13.402	13.228	13.050	12.868	12.682
Santa Margarida do Sul	2.008	2.056	2.059	2.061	2.063	2.064	2.065
Santa Maria	10.198	10.504	10.324	10.141	9.953	9.763	9.569
Santa Maria do Herval	3.345	3.471	3.525	3.577	3.627	3.676	3.723
Santa Rosa	6.199	6.180	5.973	5.764	5.551	5.337	5.121
Santa Tereza	940	951	947	942	937	933	927
Santa Vitória do Palmar	3.995	4.073	4.031	3.987	3.942	3.896	3.848
Santana da Boa Vista	3.052	3.057	3.016	2.972	2.928	2.882	2.836

Santana do Livramento	7.499	7.818	7.893	7.965	8.034	8.101	8.165
Santiago	3.852	3.831	3.705	3.578	3.449	3.318	3.187
Santo Ângelo	4.080	3.825	3.457	3.084	2.709	2.332	1.952
Santo Antônio da Patrulha	9.924	9.969	9.687	9.398	9.103	8.804	8.500
Santo Antônio das Missões	3.255	3.250	3.188	3.123	3.058	2.991	2.924
Santo Antônio do Palma	1.220	1.219	1.194	1.168	1.140	1.112	1.083
Santo Antônio do Planalto	516	491	455	417	379	339	299
Santo Augusto	1.870	1.843	1.778	1.712	1.645	1.578	1.509
Santo Cristo	5.902	5.931	5.838	5.742	5.643	5.542	5.439
Santo Expedito do Sul	1.222	1.214	1.184	1.152	1.119	1.084	1.049
São Borja	6.019	6.137	6.098	6.055	6.012	5.966	5.920
São Domingos do Sul	735	718	688	657	625	593	560
São Francisco de Assis	4.461	4.469	4.399	4.327	4.253	4.179	4.103
São Francisco de Paula	6.192	6.224	6.128	6.028	5.927	5.824	5.719
São Gabriel	5.744	5.772	5.649	5.523	5.395	5.266	5.135
São Jerônimo	4.564	4.634	4.624	4.613	4.600	4.587	4.573
São João da Urtiga	1.789	1.760	1.697	1.631	1.563	1.494	1.422
São João do Polêsine	1.015	1.002	968	932	896	859	820
São Jorge	1.333	1.342	1.324	1.304	1.284	1.264	1.243
São José das Missões	1.392	1.390	1.364	1.337	1.310	1.281	1.252
São José do Herval	1.074	1.076	1.061	1.046	1.030	1.013	996
São José do Hortêncio	1.789	1.834	1.839	1.843	1.847	1.851	1.854
São José do Inhacorá	992	973	930	885	839	791	742
São José do Norte	6.130	6.281	6.248	6.212	6.174	6.134	6.093
São José do Ouro	2.398	2.435	2.425	2.414	2.402	2.390	2.377
São José do Sul	1.355	1.477	1.468	1.460	1.451	1.441	1.430
São José dos Ausentes	1.694	1.717	1.697	1.675	1.653	1.630	1.606
São Leopoldo	1.170	1.232	1.253	1.273	1.293	1.312	1.331
São Lourenço do Sul	16.823	17.205	17.093	16.972	16.846	16.715	16.580
São Luiz Gonzaga	2.870	2.813	2.667	2.519	2.371	2.220	2.069
São Marcos	2.876	2.902	2.869	2.835	2.801	2.766	2.731
São Martinho	1.690	1.659	1.596	1.531	1.464	1.397	1.328
São Martinho da Serra	1.712	1.756	1.733	1.709	1.683	1.657	1.630
São Miguel das Missões	2.890	2.874	2.803	2.729	2.654	2.577	2.498
São Nicolau	1.424	1.436	1.413	1.389	1.366	1.341	1.316
São Paulo das Missões	3.496	3.516	3.479	3.439	3.399	3.357	3.314
São Pedro da Serra	1.230	1.207	1.162	1.115	1.067	1.018	968
São Pedro das Missões	1.198	1.215	1.211	1.205	1.200	1.194	1.188
São Pedro do Butiá	1.492	1.496	1.468	1.439	1.409	1.379	1.347
São Pedro do Sul	3.811	3.838	3.798	3.756	3.713	3.669	3.625
São Sebastião do Caí	3.578	3.594	3.548	3.500	3.451	3.402	3.352
São Sepé	3.585	3.582	3.523	3.462	3.401	3.339	3.276
São Valentim	1.382	1.372	1.338	1.302	1.266	1.229	1.191
São Valentim do Sul	1.240	1.245	1.225	1.204	1.181	1.159	1.135
São Valério do Sul	2.025	2.061	2.059	2.056	2.052	2.048	2.044
São Vendelino	741	755	752	748	744	740	736
São Vicente do Sul	2.190	2.196	2.161	2.124	2.087	2.049	2.011
Sapiranga	2.632	2.659	2.612	2.563	2.514	2.464	2.414
Sapucaia do Sul	440	429	403	378	352	326	301
Sarandi	2.025	1.930	1.792	1.653	1.512	1.369	1.226
Seberi	4.883	4.961	4.896	4.829	4.760	4.689	4.616
Sede Nova	1.139	1.141	1.124	1.106	1.088	1.069	1.050
Segredo	4.108	4.150	4.131	4.109	4.086	4.062	4.038
Selbach	1.212	1.188	1.139	1.088	1.037	984	931
Senador Salgado Filho	1.623	1.626	1.598	1.569	1.538	1.506	1.474
Sentinela do Sul	3.926	4.005	4.003	3.999	3.995	3.989	3.983
Serafina Corrêa	1.907	1.859	1.767	1.673	1.577	1.482	1.385
Sério	1.312	1.401	1.389	1.376	1.363	1.348	1.332
Sertão	2.249	2.260	2.234	2.208	2.181	2.153	2.124
Sertão Santana	4.331	4.392	4.366	4.338	4.308	4.277	4.244
Sete de Setembro	1.261	1.281	1.265	1.247	1.229	1.211	1.191
Severiano de Almeida	1.826	1.822	1.787	1.750	1.712	1.673	1.633

Silveira Martins	1.171	1.082	1.052	1.042	1.033	1.023	1.014
Sinimbu	7.238	7.317	7.305	7.288	7.270	7.251	7.231
Sobradinho	2.482	2.455	2.381	2.305	2.228	2.151	2.072
Soledade	3.839	3.835	3.714	3.592	3.468	3.342	3.215
Tabaí	2.904	2.958	2.948	2.936	2.924	2.911	2.897
Tapejara	1.876	1.739	1.555	1.367	1.178	988	795
Tapera	1.386	1.389	1.364	1.338	1.312	1.285	1.258
Tapes	1.184	1.195	1.152	1.108	1.063	1.019	974
Taquara	9.372	9.544	9.533	9.517	9.499	9.479	9.457
Taquari	3.189	3.201	3.120	3.038	2.954	2.869	2.783
Taquaruçu do Sul	1.591	1.596	1.567	1.537	1.505	1.473	1.440
Tavares	1.660	1.640	1.587	1.532	1.477	1.420	1.363
Tenente Portela	4.679	4.720	4.665	4.608	4.550	4.490	4.430
Terra de Areia	1.650	1.488	1.235	974	705	429	145
Teutônia	3.310	3.199	2.972	2.743	2.511	2.276	2.039
Tio Hugo	1.467	1.468	1.432	1.394	1.355	1.316	1.275
Tiradentes do Sul	3.098	3.079	3.018	2.954	2.888	2.819	2.748
Toropi	1.720	1.712	1.675	1.635	1.594	1.550	1.504
Torres	1.314	1.211	1.062	912	761	609	456
Tramandaí	293	208	112	17	0	0	0
Travesseiro	1.262	1.279	1.273	1.267	1.261	1.254	1.247
Três Arroios	1.382	1.373	1.340	1.305	1.269	1.231	1.193
Três Cachoeiras	2.780	2.693	2.543	2.388	2.231	2.070	1.906
Três Coroas	2.954	2.953	2.952	2.946	2.940	2.934	2.928
Três de Maio	3.962	3.918	3.793	3.666	3.537	3.407	3.276
Três Forquilhas	2.268	2.294	2.278	2.260	2.241	2.221	2.200
Três Palmeiras	2.071	2.069	2.021	1.971	1.920	1.867	1.813
Três Passos	4.515	4.558	4.455	4.351	4.244	4.136	4.027
Trindade do Sul	2.787	2.742	2.621	2.496	2.366	2.233	2.097
Triunfo	9.743	9.977	9.899	9.818	9.733	9.645	9.554
Tucunduva	1.427	1.418	1.382	1.346	1.309	1.272	1.234
Tunas	2.378	2.405	2.398	2.389	2.380	2.371	2.361
Tupanci do Sul	821	825	815	804	793	782	771
Tupanciretã	3.247	3.275	3.252	3.227	3.201	3.175	3.149
Tupandi	1.358	1.380	1.369	1.357	1.345	1.333	1.320
Tuparendi	2.597	2.584	2.520	2.454	2.386	2.318	2.248
Turuçu	1.821	1.853	1.850	1.846	1.842	1.838	1.833
Ubiretama	1.459	1.473	1.464	1.454	1.443	1.432	1.421
União da Serra	857	860	852	844	835	826	817
Unistalda	1.120	1.138	1.125	1.112	1.098	1.084	1.069
Uruguaiana	5.938	6.038	5.960	5.879	5.797	5.713	5.628
Vacaria	4.525	4.623	4.583	4.540	4.496	4.451	4.405
Vale do Sol	8.225	8.611	8.570	8.526	8.476	8.421	8.362
Vale Real	588	588	574	560	546	531	517
Vale Verde	2.181	2.210	2.197	2.183	2.168	2.153	2.137
Vanini	691	683	661	637	614	590	565
Venâncio Aires	22.270	22.754	22.493	22.221	21.941	21.654	21.360
Vera Cruz	10.848	11.042	10.872	10.696	10.514	10.328	10.136
Veranópolis	3.207	3.226	3.181	3.134	3.086	3.037	2.988
Vespasiano Correa	1.296	1.304	1.290	1.275	1.258	1.242	1.224
Viadutos	1.879	1.857	1.803	1.748	1.692	1.634	1.574
Viamão	10.194	10.300	10.061	9.818	9.570	9.320	9.067
Vicente Dutra	2.265	2.270	2.238	2.204	2.169	2.133	2.097
Victor Graeff	1.199	1.186	1.151	1.115	1.078	1.040	1.001
Vila Flores	1.312	1.276	1.208	1.138	1.065	989	912
Vila Lângaro	1.448	1.445	1.413	1.379	1.342	1.304	1.263
Vila Maria	1.618	1.593	1.533	1.471	1.407	1.341	1.274
Vila Nova do Sul	1.534	1.528	1.496	1.462	1.427	1.392	1.356
Vista Alegre	1.342	1.345	1.324	1.302	1.279	1.255	1.231
Vista Alegre do Prata	1.047	1.058	1.049	1.038	1.027	1.016	1.004
Vista Gaúcha	1.629	1.622	1.581	1.538	1.494	1.447	1.399
Vitória das Missões	2.217	2.219	2.183	2.145	2.106	2.064	2.021

Westfalia	1.395	1.406	1.364	1.320	1.275	1.228	1.180
Xangri-lá	32	0	0	0	0	0	0
Rio Grande do Sul	1.357.413	1.363.732	1.336.770	1.309.753	1.282.658	1.255.688	1.228.698

ano 2029	ano 2030	ano 2031	ano 2032	ano 2033	ano 2034	ano 2035	ano 2036	ano 2037
2.292	2.227	2.158	2.088	2.015	1.939	1.861	1.781	1.698
2.015	1.977	1.937	1.896	1.855	1.813	1.769	1.725	1.680
6.753	6.557	6.357	6.153	5.944	5.730	5.512	5.290	5.064
2.069	2.011	1.951	1.891	1.830	1.768	1.705	1.641	1.577
3.217	3.145	3.072	2.997	2.921	2.842	2.761	2.678	2.594
6.622	6.565	6.507	6.447	6.387	6.325	6.263	6.199	6.134
1.732	1.693	1.652	1.611	1.569	1.526	1.483	1.438	1.392
826	804	781	757	733	709	683	658	632
4.148	4.072	3.993	3.913	3.830	3.745	3.657	3.568	3.476
835	818	801	783	765	747	728	709	690
1.873	1.851	1.829	1.806	1.783	1.759	1.734	1.709	1.684
0	0	0	0	0	0	0	0	0
3.370	3.325	3.278	3.230	3.180	3.130	3.078	3.024	2.970
2.298	2.205	2.110	2.013	1.915	1.815	1.714	1.611	1.506
498	487	474	462	449	436	423	409	396
2.580	2.496	2.411	2.323	2.233	2.141	2.047	1.951	1.852
3.174	3.118	3.062	3.005	2.947	2.888	2.829	2.769	2.709
733	714	695	676	656	636	616	596	576
1.883	1.903	1.923	1.943	1.961	1.980	1.997	2.014	2.030
2.014	1.982	1.981	1.979	1.976	1.974	1.971	1.968	1.964
3.411	3.331	3.250	3.169	3.087	3.004	2.921	2.837	2.753
1.742	1.708	1.672	1.635	1.596	1.555	1.514	1.470	1.425
421	418	415	411	408	405	401	398	394
5.618	5.563	5.507	5.450	5.392	5.333	5.272	5.211	5.149
1.353	1.366	1.380	1.393	1.406	1.419	1.431	1.443	1.455
1.806	1.755	1.704	1.653	1.601	1.549	1.497	1.444	1.391
2.955	2.873	2.789	2.704	2.618	2.531	2.443	2.353	2.263
2.676	2.605	2.534	2.461	2.386	2.311	2.234	2.171	2.167
1.374	1.330	1.285	1.239	1.191	1.143	1.093	1.043	1.028
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
1.734	1.646	1.557	1.467	1.374	1.280	1.184	1.086	987
1.153	1.033	911	787	728	726	725	724	723
5.008	4.986	4.963	4.939	4.914	4.887	4.860	4.832	4.803
808	750	690	630	567	504	438	372	319
1.058	1.055	1.051	1.048	1.044	1.040	1.035	1.031	1.026
2.855	2.846	2.837	2.827	2.817	2.807	2.796	2.784	2.773
1.158	1.142	1.126	1.110	1.093	1.075	1.057	1.039	1.020
537	510	482	455	427	399	370	341	312
1.506	1.466	1.425	1.384	1.342	1.300	1.257	1.214	1.170
4.663	4.569	4.473	4.375	4.274	4.172	4.067	3.960	3.851
1.492	1.467	1.440	1.413	1.384	1.354	1.323	1.291	1.257
3.922	3.585	3.248	2.910	2.571	2.233	1.894	1.556	1.219
425	374	321	267	211	196	196	195	195
1.698	1.640	1.581	1.521	1.461	1.399	1.337	1.275	1.212
1.477	1.452	1.426	1.400	1.373	1.344	1.315	1.285	1.254
1.170	1.140	1.109	1.077	1.045	1.011	977	942	906
2.281	2.270	2.259	2.247	2.235	2.223	2.210	2.197	2.184
2.072	2.020	1.968	1.916	1.863	1.809	1.755	1.701	1.647
1.724	1.651	1.578	1.504	1.429	1.354	1.279	1.203	1.127
640	639	639	638	638	637	636	635	634
2.326	2.304	2.281	2.258	2.235	2.211	2.187	2.162	2.138
4.344	4.311	4.278	4.245	4.211	4.177	4.143	4.108	4.073
2.369	2.349	2.329	2.308	2.287	2.266	2.244	2.222	2.200
1.259	1.239	1.219	1.198	1.177	1.155	1.133	1.110	1.087
811	785	758	732	705	677	650	622	593
2.060	1.981	1.899	1.815	1.729	1.640	1.550	1.509	1.506
515	489	462	435	409	382	355	328	302
4.787	4.369	3.946	3.516	3.329	3.323	3.316	3.308	3.299
2.382	2.403	2.423	2.443	2.463	2.482	2.501	2.520	2.538
10.638	10.554	10.467	10.378	10.288	10.195	10.101	10.005	9.907

0	0	0	0	0	0	0	0	0
2.853	2.837	2.821	2.805	2.788	2.770	2.752	2.734	2.715
1.137	1.059	979	897	814	729	643	554	475
2.405	2.348	2.290	2.230	2.168	2.105	2.041	1.975	1.908
11.276	11.169	11.060	10.949	10.835	10.720	10.602	10.483	10.362
821	765	708	650	590	529	466	403	337
993	874	752	647	646	645	645	644	642
1.811	1.794	1.776	1.757	1.738	1.719	1.699	1.679	1.658
3.011	2.966	2.920	2.873	2.825	2.776	2.726	2.676	2.624
391	299	205	110	13	0	0	0	0
2.399	2.390	2.380	2.370	2.359	2.348	2.336	2.324	2.312
787	757	727	696	666	635	603	572	540
1.338	1.324	1.309	1.294	1.279	1.263	1.247	1.231	1.215
11.917	11.756	11.591	11.423	11.251	11.076	10.899	10.718	10.534
3.801	3.748	3.694	3.638	3.581	3.522	3.462	3.401	3.338
1.098	1.097	1.096	1.095	1.093	1.091	1.089	1.087	1.085
671	544	417	291	164	37	0	0	0
28.254	28.033	27.806	27.572	27.331	27.084	26.830	26.571	26.306
0	0	0	0	0	0	0	0	0
1.209	1.203	1.197	1.190	1.184	1.177	1.170	1.163	1.155
1.387	1.392	1.396	1.400	1.403	1.406	1.409	1.412	1.414
877	893	909	925	940	955	970	984	998
1.783	1.712	1.638	1.560	1.478	1.393	1.303	1.263	1.261
1.259	1.207	1.155	1.103	1.050	998	945	892	840
3.187	3.146	3.105	3.062	3.019	2.975	2.931	2.887	2.841
1.519	1.499	1.478	1.457	1.435	1.413	1.391	1.368	1.344
390	371	352	333	313	294	274	255	235
4.398	4.208	4.005	3.790	3.563	3.322	3.068	2.988	2.981
686	578	469	361	252	144	36	0	0
5.540	5.442	5.342	5.241	5.138	5.035	4.930	4.824	4.717
865	852	838	824	809	794	778	762	746
2.265	2.151	2.035	1.917	1.798	1.677	1.554	1.429	1.303
1.222	1.187	1.152	1.115	1.078	1.040	1.001	961	921
2.315	2.271	2.226	2.181	2.135	2.088	2.041	1.994	1.946
10.963	10.097	9.229	8.360	7.490	6.620	5.751	4.883	4.017
1.261	1.211	1.160	1.107	1.052	996	937	877	825
2.157	2.143	2.128	2.113	2.098	2.083	2.067	2.051	2.035
2.598	2.588	2.577	2.566	2.555	2.543	2.531	2.518	2.505
1.023	988	951	914	875	836	796	754	721
6.059	5.991	5.920	5.848	5.774	5.698	5.620	5.540	5.458
2.186	2.131	2.076	2.020	1.964	1.908	1.851	1.794	1.736
2.516	2.411	2.306	2.198	2.089	1.978	1.866	1.752	1.637
981	975	968	961	954	947	940	933	925
2.066	2.051	2.035	2.019	2.003	1.986	1.969	1.951	1.933
887	854	820	786	752	717	682	646	610
120	111	102	93	84	75	66	57	48
4.275	4.262	4.249	4.234	4.219	4.202	4.185	4.168	4.149
249	232	216	199	182	166	149	132	116
1.247	1.188	1.128	1.067	1.005	941	877	811	744
1.330	1.325	1.320	1.315	1.309	1.304	1.298	1.292	1.286
1.177	1.154	1.131	1.107	1.082	1.058	1.033	1.008	986
1.373	1.302	1.229	1.156	1.082	1.007	931	854	776
1.163	1.061	1.060	1.058	1.057	1.056	1.054	1.052	1.050
1.037	1.034	1.032	1.029	1.027	1.024	1.021	1.018	1.015
1.138	1.119	1.099	1.078	1.057	1.036	1.014	992	970
1.026	987	947	906	863	862	860	859	857
1.102	1.018	933	846	759	670	620	619	619
1.414	1.410	1.405	1.400	1.395	1.390	1.385	1.379	1.373
1.645	1.626	1.606	1.586	1.566	1.545	1.525	1.503	1.482
799	781	764	746	728	710	692	673	655
5.600	5.508	5.414	5.319	5.222	5.124	5.024	4.923	4.820
2.021	1.986	1.950	1.914	1.878	1.841	1.804	1.766	1.728

927	837	822	821	820	819	818	817	815
713	565	416	267	118	0	0	0	0
1.093	1.081	1.069	1.057	1.044	1.031	1.018	1.005	991
4.057	3.977	3.895	3.810	3.723	3.634	3.543	3.450	3.356
1.428	1.346	1.318	1.317	1.315	1.314	1.312	1.310	1.308
1.299	1.251	1.202	1.151	1.098	1.044	988	931	871
1.743	1.726	1.708	1.690	1.672	1.653	1.633	1.613	1.593
1.732	1.726	1.719	1.712	1.704	1.697	1.689	1.681	1.673
528	537	546	555	564	572	581	589	597
863	845	826	808	789	769	749	729	709
1.277	1.247	1.217	1.186	1.154	1.122	1.090	1.057	1.023
9.239	9.171	9.100	9.028	8.953	8.877	8.798	8.718	8.635
3.140	3.096	3.052	3.006	2.961	2.914	2.867	2.820	2.772
1.327	1.299	1.271	1.242	1.212	1.181	1.150	1.118	1.085
979	969	957	946	935	923	911	900	888
1.510	1.461	1.411	1.359	1.358	1.356	1.355	1.353	1.351
591	577	576	576	575	574	574	573	572
0	0	0	0	0	0	0	0	0
2.288	2.257	2.225	2.193	2.161	2.128	2.095	2.062	2.028
5.327	5.179	5.029	4.878	4.725	4.571	4.415	4.258	4.100
576	551	526	500	473	445	416	392	392
577	556	535	513	492	470	448	426	403
3.113	3.032	2.949	2.865	2.780	2.694	2.606	2.517	2.427
1.089	1.089	1.088	1.087	1.086	1.085	1.084	1.082	1.080
2.030	1.749	1.468	1.186	905	623	342	62	0
928	928	927	926	925	924	922	921	919
1.174	1.080	983	884	783	680	575	499	498
2.915	2.848	2.780	2.710	2.639	2.566	2.492	2.417	2.341
856	813	769	725	680	634	587	540	491
2.000	1.944	1.885	1.824	1.760	1.693	1.623	1.551	1.475
2.632	2.505	2.375	2.245	2.113	1.979	1.845	1.709	1.573
699	693	686	679	673	666	659	652	645
1.539	1.553	1.566	1.579	1.592	1.604	1.615	1.627	1.637
29	27	25	23	21	20	18	16	14
4.458	4.411	4.363	4.314	4.264	4.213	4.161	4.108	4.055
1.348	1.279	1.207	1.132	1.054	973	931	930	928
593	532	469	404	338	270	267	266	266
1.064	1.048	1.031	1.014	997	979	961	943	925
7.636	7.309	6.979	6.647	6.312	5.976	5.639	5.300	4.960
1.467	1.417	1.366	1.315	1.264	1.212	1.159	1.106	1.053
944	923	902	880	858	836	813	790	767
1.639	1.602	1.565	1.526	1.487	1.448	1.407	1.366	1.325
2.474	2.413	2.352	2.290	2.228	2.165	2.102	2.039	1.975
4.490	4.156	3.818	3.476	3.173	3.167	3.159	3.150	3.141
1.085	1.057	1.028	997	965	932	897	860	822
3.759	3.610	3.457	3.300	3.138	2.973	2.898	2.894	2.890
3.564	3.535	3.506	3.476	3.446	3.415	3.383	3.351	3.318
1.467	1.430	1.390	1.349	1.306	1.262	1.216	1.168	1.119
963	920	877	832	787	742	696	650	603
4.727	4.608	4.488	4.366	4.243	4.119	3.995	3.869	3.743
2.589	2.446	2.302	2.157	2.011	1.865	1.718	1.571	1.424
1.780	1.776	1.773	1.770	1.766	1.762	1.758	1.754	1.749
1.509	1.443	1.375	1.307	1.238	1.167	1.096	1.023	950
3.207	3.206	3.206	3.204	3.203	3.200	3.198	3.195	3.192
563	534	533	533	532	531	531	530	529
1.492	1.440	1.388	1.336	1.283	1.230	1.177	1.124	1.071
2.562	2.480	2.398	2.315	2.231	2.147	2.062	1.977	1.891
2.350	2.348	2.346	2.344	2.340	2.337	2.333	2.329	2.324
5.003	4.906	4.807	4.706	4.605	4.503	4.399	4.295	4.190
1.289	1.268	1.246	1.224	1.201	1.177	1.152	1.127	1.101
2.772	2.760	2.749	2.736	2.723	2.710	2.696	2.682	2.667
6.591	5.975	5.358	4.741	4.123	3.505	2.888	2.272	1.658

593	579	564	549	534	519	503	487	471
2.407	2.405	2.403	2.400	2.396	2.392	2.387	2.381	2.376
1.926	1.884	1.841	1.798	1.754	1.710	1.666	1.622	1.577
2.280	2.239	2.196	2.153	2.109	2.065	2.021	1.976	1.930
1.319	1.255	1.190	1.124	1.057	988	919	849	778
1.491	1.430	1.368	1.305	1.242	1.177	1.112	1.046	979
1.943	1.927	1.911	1.894	1.876	1.857	1.838	1.818	1.797
2.440	2.371	2.302	2.233	2.163	2.093	2.022	1.951	1.880
3.531	3.534	3.537	3.539	3.541	3.542	3.542	3.542	3.542
1.551	1.520	1.488	1.456	1.424	1.391	1.357	1.323	1.289
2.393	2.366	2.338	2.310	2.281	2.252	2.222	2.191	2.159
1.088	1.040	991	941	891	840	788	736	683
2.650	2.601	2.552	2.503	2.452	2.401	2.349	2.297	2.244
660	576	489	401	378	377	377	376	376
2.903	2.785	2.667	2.548	2.428	2.308	2.186	2.064	1.941
2.377	2.398	2.418	2.436	2.453	2.470	2.485	2.498	2.511
5.971	5.743	5.512	5.281	5.048	4.814	4.579	4.344	4.109
1.627	1.591	1.553	1.515	1.477	1.437	1.398	1.357	1.316
0	0	0	0	0	0	0	0	0
1.001	946	942	941	940	939	937	936	934
1.620	1.566	1.511	1.455	1.399	1.341	1.284	1.225	1.166
646	634	622	610	598	585	573	560	547
1.904	1.853	1.800	1.747	1.692	1.637	1.631	1.627	1.622
902	887	871	855	839	822	805	788	770
3.292	3.299	3.305	3.311	3.317	3.321	3.326	3.330	3.333
959	936	914	890	867	844	820	796	772
1.507	1.485	1.463	1.440	1.417	1.393	1.369	1.345	1.320
1.316	1.300	1.283	1.267	1.249	1.231	1.213	1.194	1.175
3.783	3.753	3.722	3.690	3.657	3.624	3.590	3.555	3.519
1.077	1.076	1.075	1.074	1.073	1.072	1.070	1.068	1.066
1.221	1.179	1.137	1.093	1.049	1.004	970	969	968
1.148	1.137	1.125	1.113	1.101	1.088	1.076	1.062	1.049
1.734	1.712	1.689	1.667	1.643	1.620	1.597	1.573	1.549
1.519	1.466	1.411	1.355	1.298	1.239	1.180	1.146	1.144
1.363	1.347	1.331	1.314	1.297	1.280	1.262	1.244	1.225
632	586	540	494	446	398	349	337	337
1.718	1.684	1.650	1.616	1.582	1.547	1.512	1.477	1.441
3.981	3.940	3.897	3.854	3.811	3.766	3.721	3.675	3.629
1.215	1.202	1.189	1.175	1.162	1.148	1.134	1.120	1.106
2.254	2.216	2.177	2.136	2.093	2.050	2.004	1.957	1.909
4.873	4.843	4.813	4.781	4.749	4.716	4.682	4.647	4.611
2.554	2.515	2.475	2.435	2.395	2.354	2.313	2.272	2.230
1.716	1.700	1.683	1.665	1.646	1.627	1.607	1.587	1.566
459	432	406	379	351	323	294	265	235
2.230	2.090	1.950	1.809	1.667	1.524	1.382	1.238	1.095
3.125	3.063	2.999	2.933	2.865	2.795	2.723	2.650	2.574
0	0	0	0	0	0	0	0	0
1.618	1.589	1.559	1.528	1.496	1.463	1.429	1.394	1.358
723	632	539	445	350	253	156	57	0
2.781	2.711	2.640	2.566	2.489	2.410	2.328	2.243	2.156
890	870	849	829	808	787	766	744	723
1.254	1.250	1.247	1.243	1.239	1.235	1.231	1.226	1.221
3.216	3.205	3.194	3.183	3.171	3.159	3.146	3.134	3.120
1.466	1.401	1.335	1.267	1.199	1.130	1.059	988	916
1.873	1.783	1.687	1.584	1.475	1.358	1.270	1.268	1.266
1.643	1.640	1.637	1.634	1.630	1.626	1.622	1.618	1.614
4.718	4.680	4.641	4.600	4.559	4.516	4.473	4.428	4.382
1.529	1.514	1.498	1.482	1.466	1.449	1.431	1.414	1.396
2.844	2.618	2.390	2.161	1.932	1.701	1.470	1.239	1.007
1.964	1.956	1.947	1.938	1.929	1.920	1.911	1.901	1.891
3.331	3.329	3.326	3.322	3.318	3.313	3.308	3.302	3.296
611	591	572	551	531	510	489	468	446

2.183	2.164	2.144	2.123	2.102	2.081	2.059	2.037	2.015
1.701	1.664	1.626	1.587	1.548	1.508	1.468	1.427	1.422
1.708	1.683	1.658	1.631	1.604	1.576	1.547	1.517	1.486
2.809	2.800	2.790	2.779	2.768	2.756	2.744	2.731	2.717
962	936	909	881	852	823	792	761	728
900	840	780	719	657	593	529	463	422
240	236	233	230	227	224	220	217	214
1.828	1.780	1.732	1.682	1.632	1.581	1.529	1.475	1.421
558	532	506	479	457	456	456	455	454
1.978	1.875	1.763	1.642	1.511	1.370	1.290	1.288	1.285
1.690	1.674	1.658	1.641	1.623	1.605	1.586	1.567	1.548
13.390	13.570	13.746	13.915	14.079	14.236	14.388	14.534	14.673
1.956	1.935	1.913	1.890	1.867	1.843	1.819	1.793	1.767
1.173	1.095	1.015	937	936	935	933	932	930
2.910	2.866	2.821	2.775	2.729	2.681	2.632	2.583	2.533
1.859	1.883	1.907	1.930	1.952	1.974	1.995	2.016	2.037
3.485	3.432	3.377	3.322	3.266	3.209	3.152	3.094	3.035
552	534	516	498	480	462	443	425	406
2.134	2.135	2.136	2.137	2.137	2.137	2.136	2.135	2.134
943	924	904	883	863	841	819	796	773
1.461	1.394	1.327	1.259	1.191	1.123	1.054	985	916
818	787	755	723	689	655	620	588	586
3.196	3.150	3.104	3.057	3.009	2.961	2.913	2.863	2.814
1.001	967	966	965	964	963	962	960	958
595	542	488	434	378	323	267	210	153
2.278	2.169	2.058	1.946	1.832	1.717	1.600	1.482	1.362
873	836	798	758	718	676	633	620	619
1.321	1.286	1.251	1.214	1.177	1.139	1.100	1.061	1.021
987	939	938	937	935	934	932	931	929
717	687	657	626	596	565	533	502	470
1.646	1.599	1.551	1.503	1.455	1.406	1.357	1.308	1.259
1.445	1.426	1.406	1.386	1.365	1.343	1.321	1.299	1.276
1.712	1.644	1.575	1.504	1.432	1.359	1.285	1.209	1.133
5.220	5.167	5.112	5.056	4.999	4.941	4.882	4.822	4.761
3.679	3.605	3.530	3.454	3.377	3.300	3.222	3.143	3.063
1.477	1.477	1.476	1.474	1.473	1.471	1.469	1.467	1.465
1.696	1.678	1.659	1.640	1.621	1.601	1.581	1.560	1.539
1.449	1.197	944	689	433	175	0	0	0
1.723	1.627	1.529	1.426	1.320	1.303	1.301	1.298	1.296
2.931	2.911	2.889	2.867	2.844	2.820	2.795	2.769	2.743
6.177	6.236	6.293	6.348	6.401	6.452	6.501	6.548	6.593
1.369	1.330	1.291	1.250	1.209	1.167	1.124	1.080	1.036
1.126	1.099	1.071	1.043	1.014	984	953	922	890
676	643	609	574	537	501	500	499	498
2.520	2.346	2.171	1.995	1.819	1.642	1.465	1.287	1.110
1.327	1.297	1.266	1.235	1.203	1.170	1.137	1.104	1.098
542	485	427	370	312	254	196	137	79
2.581	2.435	2.288	2.140	1.992	1.843	1.694	1.545	1.395
2.927	2.832	2.736	2.637	2.537	2.435	2.389	2.385	2.380
2.481	2.358	2.233	2.108	1.983	1.857	1.731	1.605	1.479
1.395	1.386	1.377	1.368	1.359	1.350	1.340	1.330	1.320
2.088	2.012	1.935	1.856	1.776	1.695	1.612	1.529	1.444
2.867	2.748	2.625	2.497	2.366	2.231	2.091	1.975	1.972
2.923	2.894	2.863	2.831	2.798	2.764	2.729	2.694	2.657
2.342	2.364	2.386	2.408	2.428	2.448	2.468	2.487	2.505
3.407	3.395	3.383	3.370	3.357	3.343	3.328	3.314	3.298
4.211	4.170	4.127	4.083	4.038	3.991	3.943	3.894	3.843
2.967	2.862	2.757	2.651	2.545	2.439	2.332	2.226	2.119
1.205	1.179	1.152	1.125	1.096	1.067	1.037	1.007	975
3.123	3.075	3.026	2.977	2.926	2.875	2.823	2.771	2.718
1.352	1.350	1.348	1.346	1.344	1.341	1.339	1.336	1.333
346	331	316	301	286	272	257	242	227

1.054	1.041	1.029	1.016	1.003	990	976	963	949
19.945	19.824	19.699	19.569	19.435	19.297	19.155	19.009	18.859
1.894	1.924	1.953	1.981	2.009	2.036	2.062	2.088	2.113
1.341	1.320	1.298	1.276	1.253	1.230	1.207	1.183	1.159
1.440	1.417	1.393	1.368	1.343	1.317	1.290	1.262	1.234
1.273	1.207	1.158	1.157	1.156	1.155	1.153	1.152	1.150
3.544	3.528	3.511	3.494	3.475	3.457	3.437	3.417	3.396
1.937	1.881	1.825	1.769	1.712	1.655	1.597	1.539	1.480
1.937	1.935	1.934	1.931	1.929	1.926	1.923	1.920	1.916
1.287	1.262	1.237	1.212	1.186	1.159	1.132	1.105	1.077
5.421	5.288	5.153	5.016	4.878	4.737	4.595	4.452	4.306
3.700	3.640	3.580	3.518	3.456	3.393	3.329	3.264	3.199
844	821	796	772	746	721	694	668	659
1.278	1.221	1.163	1.103	1.041	1.000	999	998	997
902	881	859	837	814	790	766	740	714
3.490	3.366	3.240	3.114	2.987	2.859	2.730	2.601	2.472
0	0	0	0	0	0	0	0	0
2.064	2.036	2.007	1.978	1.948	1.917	1.887	1.856	1.824
1.243	1.235	1.226	1.216	1.207	1.197	1.188	1.178	1.167
1.153	1.148	1.143	1.138	1.132	1.127	1.121	1.115	1.110
3.354	3.285	3.215	3.144	3.071	2.998	2.924	2.849	2.774
914	899	884	868	852	836	819	802	785
822	786	749	712	674	635	596	557	517
3.081	3.034	2.985	2.936	2.885	2.833	2.779	2.725	2.669
1.443	1.431	1.418	1.405	1.391	1.377	1.362	1.347	1.332
1.829	1.790	1.750	1.709	1.667	1.624	1.580	1.535	1.490
1.734	1.726	1.717	1.709	1.700	1.691	1.681	1.672	1.662
580	570	559	548	537	526	515	503	492
1.395	1.369	1.342	1.315	1.287	1.258	1.228	1.198	1.167
1.326	1.291	1.256	1.220	1.184	1.147	1.110	1.072	1.033
6.476	6.459	6.442	6.423	6.404	6.383	6.362	6.339	6.316
821	798	773	749	723	697	670	643	615
5.283	5.191	5.097	5.003	4.907	4.809	4.711	4.611	4.510
1.639	1.587	1.533	1.477	1.418	1.357	1.293	1.227	1.158
8.941	8.968	8.993	9.014	9.033	9.050	9.064	9.076	9.085
10.522	10.493	10.463	10.430	10.394	10.357	10.318	10.276	10.233
1.586	1.580	1.574	1.567	1.560	1.553	1.546	1.538	1.530
2.145	2.005	1.864	1.720	1.574	1.425	1.274	1.122	1.053
2.180	2.178	2.175	2.172	2.168	2.165	2.160	2.156	2.151
1.445	1.423	1.401	1.378	1.354	1.330	1.305	1.279	1.253
4.778	4.774	4.770	4.765	4.759	4.753	4.746	4.738	4.729
1.107	996	995	994	993	992	990	989	987
2.070	2.009	1.947	1.883	1.817	1.751	1.682	1.613	1.542
3.036	2.979	2.922	2.864	2.804	2.743	2.682	2.619	2.555
3.986	3.968	3.949	3.930	3.909	3.888	3.866	3.843	3.820
1.187	1.151	1.114	1.077	1.038	998	957	916	873
566	546	526	506	486	465	444	424	402
1.109	1.061	1.012	963	914	864	814	764	714
915	884	883	882	881	879	878	876	874
2.174	2.103	2.029	1.955	1.879	1.801	1.723	1.644	1.563
3.257	3.129	3.000	2.869	2.737	2.603	2.468	2.333	2.195
1.313	1.286	1.259	1.232	1.205	1.177	1.149	1.121	1.093
880	858	835	812	788	763	737	711	684
973	792	705	704	703	702	700	699	697
12.492	12.298	12.102	11.902	11.700	11.495	11.288	11.079	10.868
2.065	2.065	2.065	2.064	2.063	2.062	2.060	2.058	2.055
9.372	9.173	8.972	8.768	8.563	8.356	8.147	7.938	7.727
3.769	3.813	3.856	3.897	3.936	3.974	4.011	4.045	4.079
4.903	4.684	4.463	4.242	4.019	3.796	3.572	3.348	3.124
922	917	911	905	899	893	887	881	874
3.800	3.751	3.700	3.649	3.598	3.545	3.492	3.438	3.384
2.789	2.741	2.692	2.643	2.592	2.541	2.490	2.437	2.384

8.227	8.287	8.344	8.399	8.451	8.501	8.549	8.595	8.637
3.055	2.922	2.788	2.654	2.519	2.384	2.248	2.112	1.976
1.570	1.187	803	417	31	0	0	0	0
8.191	7.878	7.562	7.242	6.919	6.592	6.263	5.931	5.597
2.855	2.785	2.715	2.644	2.571	2.498	2.424	2.350	2.275
1.053	1.021	989	956	922	887	850	813	775
257	215	213	213	213	212	212	212	211
1.441	1.372	1.302	1.232	1.162	1.091	1.020	948	877
5.334	5.227	5.119	5.009	4.897	4.784	4.669	4.553	4.435
1.013	975	937	897	857	815	772	728	711
5.872	5.823	5.773	5.721	5.669	5.615	5.561	5.505	5.449
526	492	458	423	387	351	315	278	278
4.026	3.948	3.870	3.791	3.710	3.630	3.548	3.466	3.383
5.612	5.504	5.395	5.284	5.173	5.059	4.945	4.830	4.714
5.003	4.870	4.735	4.600	4.464	4.327	4.190	4.052	3.913
4.558	4.543	4.527	4.510	4.493	4.475	4.457	4.438	4.418
1.364	1.363	1.362	1.360	1.359	1.357	1.355	1.353	1.351
781	741	700	659	616	573	528	483	437
1.222	1.200	1.178	1.156	1.133	1.110	1.086	1.062	1.038
1.221	1.190	1.158	1.124	1.090	1.055	1.019	983	945
979	961	943	925	906	886	867	846	826
1.857	1.859	1.861	1.863	1.864	1.865	1.866	1.867	1.867
738	738	737	736	735	734	733	731	730
6.050	6.006	5.960	5.913	5.865	5.815	5.764	5.712	5.659
2.364	2.350	2.336	2.322	2.307	2.292	2.277	2.261	2.245
1.418	1.405	1.392	1.378	1.363	1.348	1.332	1.315	1.298
1.582	1.558	1.533	1.508	1.482	1.456	1.429	1.402	1.375
1.349	1.367	1.385	1.402	1.418	1.434	1.450	1.465	1.480
16.440	16.295	16.147	15.994	15.838	15.677	15.514	15.347	15.177
1.917	1.764	1.610	1.455	1.300	1.144	989	833	677
2.694	2.658	2.621	2.584	2.546	2.508	2.469	2.430	2.391
1.257	1.186	1.113	1.039	964	887	810	731	651
1.602	1.573	1.543	1.512	1.480	1.447	1.414	1.380	1.345
2.418	2.336	2.253	2.167	2.150	2.147	2.144	2.141	2.137
1.291	1.266	1.240	1.213	1.187	1.160	1.133	1.105	1.078
3.270	3.225	3.178	3.131	3.083	3.033	2.983	2.931	2.879
917	865	812	758	703	646	589	531	472
1.182	1.176	1.169	1.162	1.155	1.148	1.141	1.133	1.125
1.315	1.282	1.248	1.214	1.179	1.143	1.106	1.069	1.031
3.580	3.534	3.488	3.441	3.394	3.346	3.297	3.249	3.199
3.301	3.250	3.198	3.146	3.094	3.041	2.987	2.934	2.880
3.212	3.148	3.084	3.019	2.953	2.887	2.820	2.754	2.686
1.152	1.112	1.072	1.031	993	992	991	989	988
1.111	1.086	1.061	1.035	1.008	981	953	924	895
2.040	2.035	2.029	2.024	2.018	2.012	2.005	1.999	1.991
732	727	723	718	713	709	703	698	693
1.972	1.932	1.893	1.852	1.812	1.771	1.729	1.687	1.645
2.363	2.311	2.259	2.207	2.154	2.101	2.047	1.994	1.940
275	249	223	197	171	145	120	94	68
1.082	936	790	643	496	348	199	49	0
4.542	4.466	4.388	4.309	4.228	4.147	4.064	3.979	3.894
1.031	1.011	991	971	950	929	908	886	864
4.013	3.987	3.960	3.932	3.904	3.875	3.846	3.816	3.785
877	823	767	711	654	597	539	517	516
1.440	1.405	1.370	1.333	1.295	1.256	1.216	1.175	1.132
3.977	3.969	3.961	3.953	3.943	3.933	3.923	3.911	3.900
1.287	1.189	1.090	991	891	790	689	588	486
1.315	1.297	1.278	1.259	1.238	1.217	1.194	1.171	1.148
2.096	2.066	2.037	2.006	1.976	1.945	1.913	1.881	1.849
4.210	4.175	4.139	4.102	4.063	4.024	3.983	3.941	3.898
1.171	1.149	1.127	1.105	1.081	1.057	1.032	1.006	979
1.591	1.549	1.506	1.461	1.416	1.369	1.322	1.273	1.223

1.004	995	985	975	966	956	946	937	927
7.210	7.188	7.165	7.141	7.116	7.090	7.063	7.035	7.006
1.993	1.913	1.833	1.751	1.670	1.587	1.504	1.421	1.337
3.087	2.957	2.827	2.696	2.564	2.431	2.298	2.164	2.030
2.883	2.868	2.853	2.837	2.820	2.803	2.785	2.767	2.749
601	406	210	12	0	0	0	0	0
1.231	1.204	1.176	1.148	1.120	1.092	1.064	1.035	1.007
928	883	837	791	745	699	653	606	559
9.434	9.410	9.384	9.356	9.327	9.297	9.265	9.232	9.198
2.697	2.609	2.521	2.432	2.343	2.253	2.162	2.072	1.981
1.406	1.371	1.335	1.299	1.261	1.223	1.184	1.145	1.104
1.304	1.244	1.183	1.122	1.059	996	931	866	800
4.368	4.305	4.242	4.177	4.112	4.046	3.979	3.911	3.842
0	0	0	0	0	0	0	0	0
1.801	1.560	1.318	1.075	830	585	338	91	0
1.233	1.190	1.147	1.102	1.056	1.010	997	995	992
2.675	2.599	2.521	2.441	2.358	2.273	2.185	2.094	2.065
1.457	1.407	1.355	1.300	1.243	1.184	1.122	1.058	1.030
303	150	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
1.240	1.232	1.224	1.217	1.208	1.200	1.192	1.183	1.174
1.153	1.113	1.071	1.027	983	938	891	843	794
1.739	1.568	1.395	1.219	1.116	1.114	1.113	1.111	1.108
2.922	2.916	2.910	2.904	2.898	2.892	2.886	2.881	2.875
3.143	3.009	2.874	2.738	2.602	2.464	2.325	2.186	2.046
2.178	2.155	2.131	2.106	2.080	2.053	2.024	1.995	1.965
1.758	1.702	1.644	1.585	1.526	1.465	1.436	1.434	1.431
3.916	3.803	3.690	3.575	3.459	3.342	3.225	3.107	2.988
1.956	1.813	1.665	1.514	1.360	1.201	1.040	875	766
9.460	9.363	9.264	9.163	9.059	8.953	8.844	8.734	8.622
1.195	1.156	1.117	1.077	1.037	997	956	915	873
2.351	2.341	2.330	2.319	2.307	2.296	2.284	2.271	2.259
759	747	735	722	709	696	682	668	654
3.122	3.095	3.067	3.039	3.010	2.982	2.952	2.923	2.893
1.307	1.293	1.280	1.266	1.251	1.237	1.222	1.207	1.192
2.177	2.106	2.033	1.959	1.884	1.809	1.732	1.655	1.577
1.828	1.823	1.817	1.811	1.805	1.799	1.792	1.785	1.778
1.410	1.398	1.385	1.372	1.359	1.346	1.332	1.318	1.303
807	797	787	776	765	754	742	730	718
1.054	1.038	1.022	1.006	989	972	954	937	918
5.541	5.453	5.364	5.273	5.182	5.090	4.997	4.903	4.809
4.358	4.310	4.261	4.211	4.160	4.109	4.057	4.004	3.950
8.297	8.228	8.155	8.076	7.994	7.907	7.816	7.721	7.621
502	487	472	457	441	426	411	395	380
2.121	2.104	2.086	2.068	2.050	2.031	2.011	1.991	1.971
540	515	489	462	435	408	380	352	323
21.059	20.752	20.439	20.120	19.796	19.467	19.133	18.795	18.452
9.941	9.741	9.537	9.329	9.117	8.901	8.683	8.461	8.236
2.938	2.887	2.836	2.785	2.733	2.681	2.628	2.575	2.522
1.206	1.187	1.168	1.148	1.127	1.105	1.083	1.061	1.037
1.514	1.452	1.390	1.325	1.260	1.194	1.126	1.057	987
8.812	8.554	8.295	8.033	7.770	7.506	7.241	6.976	6.709
2.060	2.022	1.983	1.944	1.904	1.863	1.822	1.780	1.737
961	920	879	847	846	845	844	843	842
832	750	666	579	490	399	370	370	369
1.221	1.176	1.129	1.079	1.027	973	916	856	840
1.205	1.135	1.063	990	915	839	761	682	601
1.319	1.281	1.243	1.205	1.165	1.125	1.085	1.044	1.002
1.206	1.181	1.155	1.129	1.102	1.074	1.046	1.018	989
992	980	967	954	941	927	913	898	884
1.348	1.296	1.242	1.187	1.129	1.069	1.007	943	878
1.976	1.930	1.882	1.832	1.780	1.727	1.671	1.614	1.555

1.130	1.079	1.027	973	958	955	953	950	947
0	0	0	0	0	0	0	0	0
1.201.623	1.174.809	1.148.233	1.121.539	1.095.454	1.070.371	1.045.928	1.022.391	1.000.166

ano 2038	ano 2039	ano 2040	ano 2041	ano 2042	ano 2043	ano 2044	ano 2045	ano 2046
1.681	1.678	1.674	1.671	1.667	1.663	1.658	1.654	1.649
1.634	1.587	1.539	1.491	1.442	1.391	1.341	1.289	1.237
4.848	4.839	4.829	4.819	4.808	4.797	4.785	4.772	4.760
1.512	1.446	1.379	1.312	1.244	1.176	1.107	1.037	967
2.507	2.419	2.329	2.236	2.142	2.046	1.948	1.848	1.819
6.069	6.003	5.935	5.868	5.799	5.730	5.660	5.590	5.519
1.346	1.299	1.251	1.202	1.152	1.101	1.090	1.088	1.085
606	594	593	592	590	589	587	586	584
3.382	3.286	3.188	3.087	2.984	2.879	2.832	2.825	2.818
671	651	631	610	589	568	547	535	534
1.658	1.631	1.604	1.576	1.548	1.519	1.490	1.461	1.431
0	0	0	0	0	0	0	0	0
2.914	2.857	2.799	2.739	2.678	2.616	2.553	2.489	2.423
1.400	1.292	1.183	1.073	961	848	760	758	755
382	368	353	341	340	339	339	338	337
1.802	1.798	1.794	1.790	1.786	1.781	1.776	1.771	1.766
2.648	2.587	2.525	2.463	2.400	2.337	2.274	2.211	2.147
556	535	515	494	473	453	432	411	406
2.046	2.061	2.076	2.089	2.103	2.115	2.127	2.139	2.149
1.961	1.957	1.953	1.948	1.943	1.938	1.933	1.928	1.922
2.668	2.583	2.497	2.412	2.326	2.240	2.153	2.067	1.981
1.379	1.330	1.281	1.229	1.176	1.121	1.064	1.031	1.028
390	386	382	379	375	371	367	362	358
5.086	5.022	4.957	4.892	4.825	4.758	4.690	4.622	4.553
1.467	1.478	1.489	1.500	1.510	1.520	1.530	1.539	1.549
1.339	1.286	1.233	1.179	1.126	1.073	1.019	966	913
2.172	2.080	1.988	1.894	1.800	1.705	1.609	1.513	1.416
2.163	2.158	2.153	2.148	2.143	2.137	2.131	2.125	2.119
1.026	1.024	1.022	1.020	1.018	1.016	1.013	1.011	1.008
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
886	783	678	646	646	646	645	645	645
721	719	718	716	714	712	709	707	705
4.774	4.743	4.711	4.679	4.645	4.611	4.576	4.541	4.504
319	318	317	317	316	315	314	313	312
1.021	1.017	1.012	1.006	1.001	996	990	985	979
2.761	2.748	2.736	2.723	2.709	2.696	2.682	2.668	2.653
1.000	980	959	938	916	894	871	848	824
282	252	251	250	250	249	248	247	247
1.126	1.081	1.035	990	944	897	850	803	755
3.740	3.627	3.512	3.394	3.275	3.154	3.030	2.905	2.777
1.222	1.186	1.148	1.110	1.069	1.027	984	940	893
882	547	214	0	0	0	0	0	0
195	194	194	194	193	193	192	192	191
1.148	1.084	1.019	953	888	821	755	690	688
1.222	1.189	1.155	1.121	1.085	1.048	1.010	972	932
869	831	792	753	712	679	677	676	674
2.170	2.156	2.141	2.126	2.111	2.095	2.079	2.063	2.047
1.592	1.537	1.481	1.426	1.370	1.314	1.258	1.201	1.145
1.050	974	897	820	744	667	591	514	438
633	632	631	630	628	627	625	624	622
2.113	2.087	2.062	2.036	2.010	1.984	1.957	1.931	1.904
4.038	4.003	3.967	3.931	3.895	3.859	3.822	3.785	3.747
2.177	2.154	2.131	2.108	2.084	2.060	2.036	2.012	1.988
1.063	1.039	1.014	988	963	936	910	882	855
565	536	507	478	448	419	389	359	328
1.503	1.500	1.496	1.492	1.488	1.484	1.480	1.475	1.471
275	248	221	195	168	141	115	89	62
3.290	3.281	3.270	3.259	3.248	3.235	3.222	3.209	3.195
2.556	2.573	2.591	2.607	2.624	2.640	2.656	2.671	2.686
9.808	9.707	9.605	9.502	9.398	9.292	9.186	9.078	8.970

0	0	0	0	0	0	0	0	0
2.696	2.676	2.656	2.636	2.615	2.594	2.573	2.551	2.529
474	473	472	471	470	469	468	466	465
1.839	1.769	1.697	1.625	1.550	1.474	1.442	1.438	1.434
10.239	10.115	9.989	9.862	9.733	9.604	9.473	9.342	9.209
301	300	300	299	298	297	296	295	294
641	640	639	637	636	634	632	631	629
1.637	1.616	1.595	1.573	1.550	1.528	1.505	1.482	1.459
2.572	2.518	2.464	2.409	2.354	2.297	2.240	2.182	2.124
0	0	0	0	0	0	0	0	0
2.299	2.286	2.272	2.258	2.244	2.229	2.214	2.198	2.183
508	476	444	412	380	347	314	282	249
1.199	1.182	1.165	1.148	1.131	1.114	1.096	1.079	1.061
10.348	10.160	9.969	9.776	9.580	9.383	9.184	8.984	8.782
3.274	3.209	3.142	3.074	3.004	2.934	2.862	2.789	2.715
1.082	1.079	1.076	1.073	1.070	1.066	1.063	1.059	1.055
0	0	0	0	0	0	0	0	0
26.036	25.760	25.480	25.194	24.904	24.609	24.311	24.008	23.702
0	0	0	0	0	0	0	0	0
1.148	1.140	1.132	1.124	1.115	1.107	1.098	1.090	1.081
1.416	1.418	1.419	1.420	1.421	1.422	1.422	1.422	1.422
1.012	1.025	1.038	1.050	1.062	1.074	1.085	1.096	1.106
1.258	1.255	1.253	1.250	1.247	1.243	1.240	1.236	1.232
787	734	681	629	577	524	472	421	369
2.796	2.750	2.703	2.656	2.609	2.562	2.514	2.466	2.417
1.320	1.296	1.271	1.246	1.221	1.195	1.169	1.143	1.117
215	196	176	156	136	116	96	76	56
2.974	2.967	2.958	2.950	2.941	2.931	2.921	2.911	2.900
0	0	0	0	0	0	0	0	0
4.609	4.500	4.391	4.281	4.170	4.060	3.948	3.837	3.725
729	712	694	676	658	639	619	600	579
1.175	1.046	951	948	946	943	940	937	934
907	906	904	901	899	897	894	892	889
1.898	1.850	1.801	1.752	1.702	1.652	1.602	1.552	1.502
3.154	2.294	1.438	586	0	0	0	0	0
823	821	820	818	816	813	811	809	806
2.018	2.002	1.985	1.967	1.950	1.932	1.915	1.897	1.878
2.492	2.478	2.465	2.451	2.436	2.422	2.407	2.392	2.376
720	718	717	715	713	711	709	707	705
5.374	5.288	5.201	5.112	5.021	4.928	4.833	4.737	4.639
1.678	1.620	1.562	1.503	1.444	1.386	1.327	1.267	1.208
1.520	1.402	1.283	1.162	1.040	951	948	945	942
917	909	901	893	884	876	867	858	850
1.914	1.895	1.876	1.856	1.835	1.815	1.793	1.772	1.750
574	538	501	464	427	390	389	388	387
39	30	21	12	3	0	0	0	0
4.129	4.109	4.088	4.067	4.044	4.021	3.997	3.972	3.947
99	83	66	50	34	17	1	0	0
676	607	536	464	414	413	413	412	411
1.279	1.273	1.266	1.259	1.252	1.245	1.237	1.230	1.222
985	983	981	979	977	974	972	970	967
698	644	643	642	640	638	637	635	633
1.048	1.045	1.043	1.040	1.038	1.035	1.032	1.028	1.025
1.012	1.008	1.005	1.001	997	994	990	986	982
947	924	900	876	851	826	801	776	750
855	853	851	848	846	843	840	838	835
618	617	616	615	614	613	612	611	610
1.367	1.360	1.354	1.347	1.340	1.333	1.325	1.318	1.310
1.460	1.438	1.416	1.393	1.370	1.347	1.324	1.300	1.277
636	617	597	578	559	539	519	499	479
4.715	4.610	4.503	4.394	4.285	4.174	4.062	3.949	3.835
1.690	1.652	1.613	1.574	1.534	1.494	1.455	1.415	1.374

814	812	811	809	807	805	803	801	798
0	0	0	0	0	0	0	0	0
977	962	947	932	917	901	885	869	852
3.260	3.163	3.065	2.966	2.866	2.766	2.665	2.565	2.464
1.306	1.303	1.301	1.298	1.295	1.292	1.289	1.286	1.282
831	829	828	826	825	823	821	819	817
1.572	1.550	1.528	1.506	1.483	1.459	1.435	1.411	1.386
1.664	1.656	1.647	1.638	1.629	1.619	1.609	1.600	1.590
605	612	620	627	634	641	647	654	660
688	668	646	628	626	625	623	622	620
989	954	933	931	928	926	924	921	919
8.550	8.464	8.376	8.286	8.194	8.101	8.006	7.909	7.811
2.724	2.676	2.627	2.578	2.528	2.479	2.429	2.379	2.329
1.052	1.018	984	949	913	876	839	801	763
876	863	851	839	826	813	801	788	775
1.349	1.347	1.345	1.343	1.340	1.337	1.335	1.332	1.329
571	570	568	567	566	565	563	562	560
0	0	0	0	0	0	0	0	0
1.994	1.960	1.926	1.892	1.857	1.823	1.788	1.753	1.718
3.940	3.779	3.618	3.455	3.292	3.127	2.962	2.796	2.630
391	391	390	389	389	388	387	386	385
380	358	335	311	288	268	267	267	266
2.336	2.244	2.150	2.056	1.961	1.865	1.768	1.670	1.571
1.078	1.076	1.074	1.072	1.069	1.067	1.064	1.061	1.058
0	0	0	0	0	0	0	0	0
918	916	914	912	909	907	905	902	900
497	496	495	494	493	491	490	489	487
2.263	2.184	2.104	2.039	2.035	2.030	2.026	2.021	2.017
442	393	342	320	319	318	317	317	316
1.397	1.315	1.296	1.292	1.289	1.286	1.282	1.279	1.275
1.529	1.526	1.523	1.520	1.516	1.512	1.508	1.504	1.500
638	631	623	616	609	601	594	586	579
1.648	1.658	1.667	1.676	1.685	1.693	1.701	1.708	1.715
12	10	8	7	5	3	1	0	0
4.001	3.946	3.890	3.834	3.778	3.721	3.663	3.606	3.548
927	925	924	922	920	919	917	915	913
265	265	264	264	263	262	262	261	260
906	888	868	849	830	810	790	770	761
4.619	4.278	3.936	3.595	3.254	2.914	2.574	2.236	1.898
999	944	890	835	779	724	668	664	662
762	761	759	757	755	753	751	749	747
1.300	1.297	1.293	1.290	1.286	1.282	1.278	1.273	1.269
1.910	1.846	1.781	1.716	1.650	1.584	1.518	1.452	1.386
3.131	3.121	3.110	3.098	3.085	3.072	3.058	3.043	3.028
782	741	697	668	667	666	664	663	661
2.885	2.880	2.875	2.869	2.863	2.857	2.850	2.843	2.836
3.284	3.250	3.216	3.181	3.145	3.109	3.073	3.036	2.998
1.067	1.014	961	959	956	954	952	949	946
556	508	460	448	447	446	445	444	442
3.617	3.489	3.362	3.234	3.105	2.977	2.849	2.720	2.592
1.277	1.130	983	836	690	544	398	253	109
1.744	1.740	1.735	1.730	1.724	1.719	1.713	1.707	1.701
875	800	724	646	568	565	563	562	560
3.188	3.184	3.179	3.174	3.169	3.163	3.157	3.151	3.144
527	526	525	524	522	521	519	517	516
1.017	963	910	856	802	748	695	641	587
1.805	1.718	1.631	1.543	1.456	1.368	1.279	1.191	1.102
2.319	2.314	2.308	2.302	2.295	2.288	2.281	2.274	2.266
4.084	3.978	3.871	3.764	3.656	3.549	3.441	3.333	3.225
1.074	1.047	1.019	990	961	931	900	868	836
2.652	2.637	2.621	2.604	2.587	2.570	2.552	2.534	2.516
1.046	437	0	0	0	0	0	0	0

454	437	427	426	425	424	423	422	421
2.369	2.362	2.355	2.347	2.339	2.330	2.321	2.311	2.301
1.532	1.487	1.442	1.396	1.351	1.306	1.260	1.215	1.170
1.884	1.838	1.791	1.744	1.697	1.649	1.601	1.552	1.504
706	634	560	539	537	535	534	532	530
912	843	775	705	635	617	616	614	613
1.776	1.754	1.732	1.709	1.686	1.661	1.637	1.612	1.586
1.808	1.737	1.665	1.592	1.520	1.447	1.375	1.302	1.230
3.541	3.539	3.537	3.535	3.531	3.528	3.524	3.519	3.514
1.255	1.220	1.185	1.149	1.113	1.077	1.041	1.004	968
2.127	2.094	2.060	2.026	1.991	1.955	1.919	1.882	1.845
629	575	520	465	452	451	450	449	448
2.191	2.136	2.082	2.034	2.032	2.030	2.028	2.026	2.024
375	374	374	373	372	371	370	369	368
1.818	1.695	1.570	1.446	1.321	1.196	1.071	946	821
2.522	2.532	2.541	2.548	2.554	2.559	2.562	2.565	2.566
3.873	3.637	3.402	3.167	2.932	2.698	2.465	2.232	2.001
1.274	1.255	1.252	1.249	1.246	1.243	1.239	1.236	1.232
0	0	0	0	0	0	0	0	0
932	930	928	926	923	921	918	915	912
1.107	1.047	986	925	864	802	739	677	635
534	521	508	495	482	468	455	441	427
1.618	1.612	1.607	1.601	1.595	1.589	1.583	1.576	1.568
752	734	715	696	677	657	637	617	596
3.336	3.339	3.341	3.342	3.344	3.344	3.345	3.344	3.344
748	724	699	675	650	626	601	576	551
1.295	1.269	1.243	1.217	1.190	1.163	1.135	1.107	1.079
1.155	1.135	1.114	1.093	1.071	1.049	1.026	1.003	979
3.484	3.447	3.410	3.373	3.335	3.296	3.258	3.218	3.179
1.064	1.062	1.059	1.057	1.054	1.051	1.049	1.045	1.042
967	966	965	963	962	960	959	957	955
1.036	1.022	1.008	993	979	964	949	934	919
1.525	1.500	1.476	1.451	1.426	1.402	1.377	1.352	1.327
1.142	1.140	1.138	1.135	1.133	1.130	1.127	1.125	1.122
1.206	1.186	1.166	1.145	1.124	1.103	1.081	1.059	1.036
336	336	335	334	334	333	332	331	330
1.406	1.370	1.334	1.298	1.262	1.226	1.190	1.154	1.118
3.582	3.535	3.487	3.439	3.390	3.340	3.291	3.241	3.190
1.092	1.077	1.063	1.048	1.033	1.018	1.003	988	973
1.859	1.808	1.755	1.700	1.644	1.586	1.527	1.466	1.403
4.575	4.538	4.500	4.462	4.423	4.383	4.342	4.301	4.260
2.188	2.146	2.104	2.061	2.019	1.976	1.933	1.890	1.847
1.544	1.522	1.499	1.475	1.451	1.426	1.400	1.374	1.347
205	175	175	174	174	173	173	172	171
951	808	664	521	377	235	92	0	0
2.497	2.417	2.336	2.252	2.167	2.131	2.126	2.121	2.116
0	0	0	0	0	0	0	0	0
1.321	1.284	1.245	1.205	1.164	1.123	1.080	1.037	1.027
0	0	0	0	0	0	0	0	0
2.066	1.973	1.918	1.915	1.911	1.908	1.904	1.900	1.896
701	680	658	636	614	593	571	549	527
1.216	1.211	1.206	1.200	1.195	1.189	1.183	1.177	1.171
3.107	3.093	3.079	3.064	3.050	3.034	3.019	3.003	2.988
843	769	695	619	573	571	570	568	566
1.263	1.261	1.258	1.255	1.251	1.248	1.244	1.240	1.237
1.609	1.605	1.600	1.595	1.589	1.584	1.579	1.573	1.567
4.336	4.288	4.240	4.190	4.140	4.089	4.037	3.985	3.931
1.378	1.359	1.340	1.321	1.301	1.281	1.261	1.240	1.219
775	544	313	82	0	0	0	0	0
1.881	1.871	1.861	1.850	1.839	1.828	1.817	1.806	1.795
3.289	3.281	3.274	3.266	3.257	3.248	3.238	3.228	3.218
424	402	379	356	333	309	286	262	237

1.992	1.968	1.945	1.921	1.896	1.872	1.847	1.821	1.796
1.420	1.417	1.414	1.411	1.408	1.405	1.402	1.398	1.394
1.454	1.422	1.389	1.355	1.320	1.284	1.247	1.210	1.172
2.704	2.689	2.675	2.660	2.644	2.628	2.612	2.595	2.578
724	722	721	719	717	716	714	712	709
422	421	420	420	419	418	417	416	415
211	207	204	200	197	194	190	187	183
1.366	1.335	1.333	1.330	1.327	1.324	1.321	1.318	1.315
453	452	451	450	449	448	447	446	444
1.283	1.280	1.277	1.274	1.271	1.267	1.264	1.260	1.256
1.528	1.508	1.487	1.466	1.445	1.423	1.401	1.378	1.355
14.806	14.934	15.055	15.169	15.278	15.379	15.475	15.564	15.647
1.740	1.713	1.685	1.656	1.626	1.596	1.565	1.534	1.502
929	927	925	923	921	918	916	913	911
2.482	2.430	2.378	2.325	2.271	2.217	2.162	2.106	2.050
2.056	2.076	2.094	2.113	2.130	2.147	2.164	2.180	2.195
2.976	2.916	2.856	2.796	2.735	2.674	2.612	2.550	2.488
388	369	350	331	312	294	275	256	237
2.133	2.131	2.129	2.127	2.125	2.122	2.119	2.115	2.112
750	726	701	689	688	686	684	683	681
847	778	709	639	570	501	432	362	293
585	584	582	581	579	577	575	574	572
2.764	2.713	2.662	2.611	2.559	2.508	2.455	2.403	2.351
957	955	953	950	948	946	943	940	938
95	37	0	0	0	0	0	0	0
1.241	1.118	994	967	964	961	958	955	952
618	617	615	614	612	610	609	607	605
980	938	917	915	912	910	908	905	903
927	925	922	920	917	915	912	909	906
438	407	374	342	310	278	245	213	180
1.210	1.161	1.111	1.062	1.012	963	914	864	815
1.252	1.228	1.204	1.179	1.153	1.127	1.101	1.074	1.047
1.055	976	896	814	732	648	564	554	553
4.699	4.636	4.573	4.509	4.444	4.379	4.314	4.247	4.181
2.983	2.903	2.822	2.741	2.660	2.579	2.497	2.415	2.334
1.463	1.460	1.458	1.455	1.452	1.449	1.446	1.442	1.439
1.518	1.497	1.475	1.453	1.430	1.408	1.385	1.362	1.338
0	0	0	0	0	0	0	0	0
1.293	1.290	1.287	1.284	1.280	1.277	1.273	1.269	1.265
2.715	2.687	2.658	2.628	2.597	2.565	2.533	2.499	2.465
6.636	6.677	6.717	6.754	6.789	6.822	6.853	6.882	6.910
990	964	962	961	959	957	955	953	951
857	823	789	753	717	681	643	638	637
498	497	496	495	493	492	491	490	488
933	756	579	403	227	52	0	0	0
1.096	1.094	1.092	1.090	1.088	1.086	1.083	1.081	1.078
21	0	0	0	0	0	0	0	0
1.245	1.094	944	794	645	495	346	197	49
2.374	2.369	2.363	2.356	2.349	2.342	2.335	2.327	2.319
1.353	1.227	1.101	976	851	726	602	479	356
1.310	1.300	1.289	1.279	1.268	1.257	1.246	1.235	1.224
1.359	1.272	1.185	1.096	1.007	916	825	733	710
1.969	1.966	1.962	1.958	1.954	1.950	1.946	1.941	1.936
2.620	2.581	2.542	2.502	2.462	2.420	2.378	2.335	2.291
2.523	2.540	2.556	2.572	2.587	2.602	2.615	2.629	2.642
3.283	3.266	3.250	3.233	3.215	3.197	3.179	3.160	3.141
3.792	3.739	3.684	3.629	3.572	3.515	3.456	3.396	3.335
2.012	1.906	1.799	1.694	1.588	1.483	1.379	1.275	1.172
943	910	876	859	857	855	852	850	848
2.664	2.609	2.554	2.499	2.442	2.386	2.379	2.372	2.365
1.329	1.326	1.323	1.319	1.315	1.311	1.307	1.303	1.298
212	197	182	167	152	137	122	107	92

935	921	907	893	879	865	850	836	821
18.706	18.550	18.390	18.227	18.062	17.893	17.722	17.549	17.374
2.137	2.161	2.184	2.206	2.228	2.249	2.269	2.288	2.307
1.134	1.109	1.084	1.059	1.033	1.007	980	953	927
1.204	1.174	1.144	1.112	1.080	1.047	1.013	979	944
1.149	1.147	1.145	1.143	1.141	1.138	1.136	1.134	1.131
3.374	3.352	3.330	3.307	3.283	3.259	3.234	3.208	3.183
1.422	1.363	1.303	1.244	1.184	1.124	1.116	1.113	1.110
1.913	1.908	1.904	1.899	1.894	1.889	1.884	1.878	1.872
1.049	1.020	991	961	930	899	872	871	869
4.159	4.011	3.861	3.710	3.558	3.404	3.249	3.093	2.935
3.133	3.066	2.998	2.930	2.862	2.792	2.723	2.652	2.582
657	656	654	652	651	649	647	645	643
995	994	992	990	988	986	984	982	980
688	660	632	631	630	628	627	625	623
2.342	2.212	2.082	1.952	1.822	1.692	1.563	1.434	1.305
0	0	0	0	0	0	0	0	0
1.792	1.759	1.726	1.693	1.659	1.625	1.591	1.556	1.520
1.157	1.147	1.136	1.125	1.114	1.103	1.092	1.080	1.069
1.103	1.097	1.091	1.084	1.078	1.071	1.064	1.057	1.050
2.697	2.620	2.541	2.463	2.383	2.303	2.222	2.140	2.058
767	750	731	713	694	675	656	636	616
476	435	393	351	309	306	305	304	303
2.612	2.554	2.495	2.435	2.374	2.312	2.248	2.183	2.118
1.316	1.300	1.283	1.267	1.249	1.232	1.214	1.196	1.177
1.443	1.396	1.348	1.299	1.249	1.198	1.146	1.116	1.113
1.652	1.642	1.632	1.621	1.611	1.600	1.589	1.577	1.566
480	468	467	466	465	464	463	462	461
1.136	1.103	1.070	1.037	1.002	1.000	997	995	992
994	955	915	875	834	793	752	710	668
6.292	6.267	6.241	6.215	6.187	6.159	6.131	6.101	6.071
587	558	541	540	538	537	536	535	533
4.408	4.305	4.201	4.096	3.990	3.883	3.775	3.667	3.557
1.140	1.139	1.137	1.135	1.133	1.131	1.129	1.127	1.125
9.091	9.095	9.097	9.097	9.094	9.088	9.081	9.071	9.059
10.187	10.140	10.091	10.041	9.988	9.934	9.879	9.822	9.763
1.522	1.514	1.505	1.497	1.488	1.479	1.470	1.460	1.451
1.051	1.048	1.046	1.044	1.041	1.038	1.035	1.032	1.029
2.145	2.140	2.134	2.127	2.120	2.113	2.106	2.098	2.091
1.226	1.199	1.171	1.142	1.113	1.082	1.052	1.020	989
4.719	4.709	4.698	4.687	4.675	4.662	4.648	4.634	4.620
985	983	981	979	977	975	972	969	967
1.508	1.505	1.502	1.499	1.496	1.493	1.489	1.486	1.482
2.490	2.425	2.358	2.290	2.221	2.152	2.081	2.010	1.952
3.796	3.771	3.745	3.719	3.693	3.666	3.638	3.610	3.581
829	784	747	745	743	742	740	738	736
381	360	338	317	295	273	256	256	255
663	613	562	511	460	409	357	306	255
872	870	867	865	862	859	856	853	850
1.482	1.400	1.317	1.233	1.149	1.064	979	894	808
2.057	1.918	1.778	1.643	1.638	1.634	1.629	1.625	1.620
1.065	1.037	1.008	979	951	922	893	864	835
657	629	600	570	540	509	499	498	496
696	694	692	690	688	686	683	681	679
10.654	10.440	10.224	10.007	9.789	9.569	9.350	9.130	8.909
2.052	2.049	2.045	2.041	2.037	2.033	2.028	2.023	2.018
7.515	7.303	7.090	6.877	6.663	6.450	6.237	6.024	5.812
4.111	4.141	4.171	4.198	4.224	4.249	4.273	4.295	4.315
2.899	2.675	2.451	2.227	2.003	1.781	1.559	1.338	1.118
868	861	854	847	840	833	826	818	811
3.329	3.274	3.218	3.162	3.105	3.048	2.991	2.934	2.876
2.331	2.276	2.222	2.166	2.110	2.102	2.097	2.092	2.088

8.678	8.716	8.752	8.785	8.816	8.845	8.871	8.894	8.916
1.840	1.704	1.567	1.431	1.296	1.160	1.025	891	757
0	0	0	0	0	0	0	0	0
5.261	4.923	4.584	4.305	4.288	4.271	4.252	4.232	4.212
2.199	2.122	2.045	1.967	1.889	1.810	1.730	1.650	1.570
736	696	654	628	627	625	624	622	620
211	210	210	209	209	208	208	207	206
805	732	660	588	515	442	370	297	224
4.316	4.196	4.075	3.952	3.829	3.704	3.579	3.452	3.325
710	709	707	706	704	702	701	699	697
5.392	5.334	5.276	5.216	5.156	5.096	5.035	4.973	4.911
278	277	276	276	275	275	274	273	272
3.299	3.215	3.131	3.046	2.960	2.875	2.788	2.702	2.615
4.596	4.478	4.359	4.240	4.119	3.998	3.876	3.754	3.632
3.774	3.635	3.495	3.356	3.216	3.076	2.937	2.797	2.658
4.399	4.378	4.357	4.336	4.314	4.291	4.269	4.245	4.222
1.349	1.346	1.343	1.340	1.337	1.334	1.331	1.327	1.323
390	343	295	265	265	264	263	262	262
1.013	988	963	937	911	885	868	865	863
906	866	826	784	741	707	705	703	702
805	784	762	740	718	695	672	648	624
1.867	1.866	1.866	1.864	1.863	1.861	1.860	1.857	1.855
728	727	725	723	721	719	717	715	712
5.605	5.550	5.494	5.437	5.379	5.320	5.261	5.201	5.140
2.229	2.213	2.196	2.179	2.161	2.143	2.126	2.108	2.089
1.280	1.262	1.243	1.224	1.204	1.184	1.164	1.143	1.121
1.347	1.319	1.291	1.262	1.250	1.246	1.242	1.237	1.232
1.494	1.508	1.521	1.533	1.546	1.557	1.568	1.579	1.589
15.004	14.828	14.649	14.468	14.284	14.098	13.910	13.720	13.528
520	365	209	53	0	0	0	0	0
2.352	2.312	2.272	2.232	2.192	2.152	2.111	2.070	2.029
570	551	550	549	548	546	545	543	542
1.309	1.273	1.235	1.197	1.159	1.123	1.118	1.114	1.109
2.133	2.129	2.125	2.120	2.115	2.110	2.105	2.099	2.093
1.050	1.022	993	965	936	907	878	849	820
2.826	2.771	2.716	2.660	2.603	2.545	2.486	2.426	2.366
412	357	356	355	355	354	353	352	351
1.117	1.109	1.101	1.092	1.083	1.075	1.066	1.057	1.047
993	954	925	923	920	918	915	912	909
3.150	3.100	3.049	2.998	2.947	2.896	2.844	2.792	2.740
2.825	2.771	2.716	2.660	2.605	2.550	2.494	2.438	2.382
2.619	2.551	2.483	2.415	2.346	2.277	2.208	2.139	2.070
986	984	983	981	978	976	974	972	969
865	835	804	772	740	708	674	656	654
1.984	1.977	1.969	1.961	1.952	1.943	1.935	1.926	1.916
688	682	677	671	665	659	653	647	641
1.603	1.560	1.517	1.473	1.430	1.386	1.342	1.298	1.253
1.886	1.832	1.778	1.723	1.669	1.615	1.560	1.506	1.452
43	18	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
3.807	3.720	3.631	3.593	3.581	3.567	3.553	3.539	3.523
842	820	814	812	811	809	807	805	803
3.753	3.721	3.688	3.655	3.621	3.587	3.552	3.516	3.480
515	514	513	512	510	509	507	506	504
1.089	1.075	1.073	1.071	1.068	1.066	1.063	1.060	1.057
3.887	3.874	3.861	3.847	3.832	3.817	3.802	3.786	3.770
385	283	180	78	0	0	0	0	0
1.123	1.099	1.073	1.047	1.020	993	965	938	909
1.816	1.784	1.750	1.717	1.683	1.658	1.654	1.650	1.646
3.854	3.809	3.762	3.715	3.667	3.618	3.568	3.517	3.465
952	924	895	866	835	804	773	740	720
1.172	1.120	1.067	1.023	1.021	1.019	1.016	1.014	1.011

917	907	897	887	878	868	858	848	838
6.977	6.947	6.915	6.883	6.851	6.817	6.783	6.748	6.712
1.253	1.169	1.084	999	913	827	742	656	569
1.895	1.761	1.626	1.491	1.356	1.222	1.087	953	819
2.729	2.710	2.690	2.670	2.649	2.628	2.606	2.584	2.562
0	0	0	0	0	0	0	0	0
978	949	920	891	862	833	804	774	745
513	466	419	373	326	279	233	186	140
9.163	9.126	9.088	9.050	9.010	8.968	8.926	8.883	8.840
1.889	1.798	1.706	1.614	1.522	1.430	1.339	1.247	1.156
1.063	1.021	979	937	935	932	929	927	924
733	666	597	528	521	519	518	517	515
3.773	3.703	3.633	3.562	3.490	3.418	3.346	3.273	3.200
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
990	988	985	982	979	976	973	969	966
2.063	2.060	2.057	2.054	2.050	2.047	2.043	2.039	2.035
1.028	1.027	1.025	1.023	1.021	1.019	1.016	1.014	1.012
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
1.165	1.156	1.147	1.137	1.127	1.118	1.108	1.098	1.087
783	781	780	778	777	775	773	771	769
1.106	1.104	1.101	1.098	1.095	1.092	1.089	1.085	1.082
2.869	2.863	2.857	2.851	2.845	2.840	2.834	2.828	2.822
1.906	1.765	1.624	1.482	1.340	1.197	1.055	912	769
1.933	1.901	1.867	1.832	1.796	1.759	1.721	1.682	1.641
1.428	1.424	1.421	1.417	1.413	1.409	1.405	1.401	1.396
2.868	2.748	2.628	2.507	2.386	2.265	2.144	2.024	1.903
764	762	760	757	755	752	749	747	744
8.508	8.393	8.275	8.157	8.037	7.915	7.793	7.669	7.544
831	789	746	703	660	617	574	550	548
2.246	2.233	2.219	2.206	2.192	2.178	2.164	2.149	2.134
640	625	610	595	580	564	548	532	516
2.863	2.833	2.802	2.771	2.740	2.709	2.677	2.646	2.614
1.177	1.162	1.146	1.130	1.114	1.098	1.082	1.066	1.049
1.498	1.419	1.338	1.257	1.176	1.093	1.010	927	843
1.770	1.763	1.755	1.747	1.738	1.730	1.721	1.712	1.703
1.288	1.273	1.257	1.241	1.225	1.209	1.192	1.175	1.157
705	692	679	666	652	637	623	608	593
900	881	862	842	822	802	782	762	741
4.714	4.618	4.522	4.425	4.328	4.231	4.134	4.037	3.939
3.896	3.841	3.786	3.731	3.675	3.618	3.561	3.504	3.447
7.518	7.410	7.299	7.184	7.065	6.942	6.817	6.687	6.555
364	349	333	318	302	287	271	256	240
1.950	1.929	1.907	1.885	1.862	1.839	1.816	1.792	1.768
294	265	235	205	200	200	199	199	198
18.106	17.756	17.402	17.046	16.686	16.324	15.959	15.593	15.225
8.122	8.094	8.065	8.034	8.002	7.968	7.932	7.894	7.855
2.468	2.414	2.360	2.306	2.251	2.197	2.142	2.087	2.032
1.013	988	963	937	910	883	855	826	797
916	844	770	696	620	543	474	473	472
6.442	6.176	5.909	5.643	5.377	5.111	4.847	4.583	4.321
1.694	1.650	1.606	1.561	1.515	1.469	1.422	1.389	1.386
840	839	837	835	833	831	829	827	825
368	367	366	365	364	363	362	361	360
838	837	835	833	831	829	827	824	822
519	444	443	442	441	440	438	437	436
960	917	874	830	786	741	696	650	604
960	930	899	869	837	806	793	791	789
868	853	837	821	805	788	771	754	737
842	840	838	836	834	832	830	827	825
1.494	1.431	1.366	1.306	1.303	1.300	1.297	1.294	1.291

944	940	936	932	928	923	919	914	909
0	0	0	0	0	0	0	0	0
979.124	958.698	938.852	920.315	903.446	887.689	872.557	857.981	843.831

ano 2047	ano 2048	ano 2049	ano 2050	ano 2051	ano 2052	ano 2053	ano 2054	ano 2055	ano 2056
1.644	1.639	1.634	1.629	1.624	1.618	1.613	1.607	1.601	1.595
1.183	1.151	1.147	1.143	1.138	1.134	1.129	1.125	1.120	1.115
4.746	4.733	4.718	4.704	4.689	4.673	4.658	4.642	4.625	4.608
896	825	753	681	655	653	651	648	646	644
1.815	1.810	1.805	1.800	1.795	1.790	1.784	1.779	1.773	1.767
5.448	5.377	5.305	5.233	5.161	5.088	5.016	4.943	4.870	4.798
1.083	1.080	1.077	1.074	1.071	1.068	1.065	1.062	1.059	1.056
582	581	579	577	575	573	571	569	567	565
2.811	2.803	2.796	2.788	2.780	2.771	2.763	2.754	2.745	2.736
532	530	529	527	525	523	521	520	518	516
1.401	1.370	1.339	1.308	1.276	1.244	1.212	1.179	1.171	1.166
0	0	0	0	0	0	0	0	0	0
2.356	2.288	2.218	2.148	2.079	2.074	2.068	2.062	2.056	2.050
753	750	748	745	742	739	736	733	730	727
336	335	334	333	332	331	329	328	327	326
1.761	1.755	1.750	1.744	1.738	1.732	1.725	1.719	1.712	1.706
2.083	2.020	1.956	1.892	1.828	1.764	1.700	1.636	1.572	1.509
404	403	401	400	398	396	395	393	391	389
2.160	2.169	2.178	2.187	2.195	2.202	2.208	2.215	2.220	2.225
1.916	1.910	1.904	1.897	1.891	1.884	1.877	1.870	1.863	1.856
1.894	1.808	1.721	1.635	1.549	1.463	1.377	1.292	1.206	1.121
1.025	1.022	1.019	1.015	1.012	1.008	1.005	1.001	997	994
354	350	346	342	337	333	329	324	320	316
4.483	4.413	4.343	4.272	4.200	4.128	4.056	3.983	3.910	3.837
1.558	1.566	1.575	1.583	1.591	1.598	1.606	1.613	1.620	1.626
859	806	753	700	647	594	541	489	436	384
1.318	1.220	1.122	1.023	1.002	999	995	991	987	983
2.112	2.105	2.098	2.091	2.083	2.076	2.068	2.060	2.052	2.043
1.005	1.002	999	996	993	990	987	983	980	976
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
644	644	643	643	642	642	641	641	640	640
702	700	697	695	692	689	686	683	680	677
4.467	4.428	4.390	4.350	4.310	4.269	4.227	4.184	4.141	4.097
311	310	309	308	307	306	305	303	302	301
973	967	961	955	949	943	936	930	924	917
2.639	2.624	2.609	2.593	2.578	2.562	2.546	2.530	2.514	2.498
800	775	749	723	697	670	660	658	656	654
246	245	244	243	242	241	240	239	238	237
707	658	610	561	511	470	468	467	465	463
2.758	2.751	2.744	2.737	2.730	2.723	2.716	2.708	2.700	2.692
846	820	817	815	813	810	807	805	802	799
0	0	0	0	0	0	0	0	0	0
191	190	190	189	188	188	187	187	186	185
685	683	680	678	675	673	670	667	664	662
891	877	875	872	869	866	864	861	858	855
672	670	668	666	664	661	659	657	655	652
2.030	2.012	1.995	1.977	1.959	1.940	1.921	1.902	1.883	1.863
1.104	1.101	1.097	1.093	1.090	1.086	1.082	1.078	1.074	1.070
363	287	213	138	64	0	0	0	0	0
621	619	617	615	614	612	610	608	606	604
1.877	1.850	1.823	1.796	1.769	1.741	1.714	1.687	1.659	1.632
3.710	3.672	3.633	3.595	3.556	3.517	3.477	3.437	3.397	3.356
1.963	1.938	1.913	1.888	1.863	1.838	1.812	1.787	1.761	1.735
848	845	843	840	837	834	831	828	825	822
323	322	321	320	319	318	317	316	315	314
1.466	1.461	1.455	1.450	1.445	1.439	1.433	1.427	1.421	1.415
36	10	0	0	0	0	0	0	0	0
3.181	3.166	3.151	3.135	3.119	3.102	3.086	3.068	3.050	3.032
2.701	2.715	2.729	2.743	2.756	2.769	2.782	2.794	2.806	2.818
8.861	8.751	8.641	8.530	8.419	8.307	8.195	8.083	7.970	7.858

0	0	0	0	0	0	0	0	0	0
2.507	2.484	2.461	2.438	2.415	2.391	2.368	2.344	2.320	2.296
464	462	461	460	458	456	455	453	452	450
1.430	1.426	1.421	1.417	1.412	1.407	1.402	1.397	1.392	1.387
9.076	8.943	8.808	8.674	8.539	8.403	8.268	8.132	7.996	7.860
293	292	290	289	288	287	286	284	283	282
627	625	623	621	619	616	614	612	610	607
1.435	1.411	1.387	1.363	1.338	1.314	1.289	1.264	1.238	1.213
2.064	2.004	1.944	1.883	1.821	1.759	1.705	1.699	1.692	1.686
0	0	0	0	0	0	0	0	0	0
2.167	2.150	2.134	2.117	2.101	2.084	2.066	2.049	2.031	2.014
216	183	150	117	84	51	18	0	0	0
1.043	1.025	1.008	989	971	953	935	916	898	880
8.579	8.446	8.405	8.364	8.321	8.277	8.232	8.186	8.139	8.091
2.639	2.563	2.485	2.458	2.450	2.441	2.433	2.424	2.415	2.405
1.051	1.047	1.042	1.038	1.033	1.029	1.024	1.019	1.014	1.009
0	0	0	0	0	0	0	0	0	0
23.392	23.079	22.763	22.445	22.124	21.800	21.474	21.146	20.816	20.484
0	0	0	0	0	0	0	0	0	0
1.072	1.062	1.053	1.044	1.034	1.024	1.015	1.005	995	985
1.422	1.422	1.421	1.420	1.419	1.417	1.416	1.414	1.412	1.410
1.116	1.126	1.135	1.144	1.152	1.160	1.168	1.175	1.182	1.188
1.229	1.225	1.220	1.216	1.212	1.207	1.203	1.198	1.193	1.188
318	268	217	167	118	69	20	0	0	0
2.369	2.320	2.271	2.222	2.173	2.124	2.074	2.025	1.976	1.926
1.090	1.063	1.035	1.008	980	952	924	895	867	838
37	17	0	0	0	0	0	0	0	0
2.889	2.878	2.866	2.854	2.841	2.828	2.815	2.801	2.788	2.774
0	0	0	0	0	0	0	0	0	0
3.614	3.502	3.391	3.279	3.168	3.058	2.947	2.837	2.728	2.619
559	541	539	538	537	536	534	533	532	530
931	927	924	920	917	913	909	905	901	897
886	883	881	878	874	871	868	865	861	858
1.451	1.400	1.349	1.298	1.247	1.195	1.144	1.092	1.041	989
0	0	0	0	0	0	0	0	0	0
804	801	799	796	793	790	787	784	781	778
1.860	1.842	1.823	1.804	1.786	1.767	1.748	1.729	1.709	1.690
2.361	2.345	2.329	2.313	2.296	2.280	2.263	2.246	2.229	2.212
703	701	698	696	694	691	689	686	683	681
4.539	4.438	4.335	4.231	4.124	4.017	3.907	3.796	3.684	3.570
1.149	1.090	1.031	972	913	854	795	736	677	619
939	936	933	930	926	923	919	916	912	908
841	832	823	813	804	795	786	776	767	757
1.727	1.704	1.681	1.658	1.634	1.609	1.585	1.559	1.534	1.508
386	385	383	382	381	379	378	377	375	374
0	0	0	0	0	0	0	0	0	0
3.921	3.894	3.867	3.839	3.811	3.782	3.752	3.722	3.691	3.659
0	0	0	0	0	0	0	0	0	0
410	409	408	407	405	404	403	402	401	399
1.215	1.207	1.199	1.191	1.182	1.174	1.166	1.157	1.149	1.140
964	962	959	956	953	950	947	944	940	937
631	629	627	625	623	621	618	616	614	611
1.022	1.018	1.014	1.011	1.007	1.003	999	995	990	986
977	973	969	964	960	955	951	946	942	937
723	697	670	649	647	645	643	641	639	637
832	829	825	822	819	815	811	808	804	800
608	607	606	604	603	601	600	599	597	595
1.302	1.294	1.286	1.278	1.269	1.260	1.252	1.243	1.234	1.224
1.253	1.229	1.205	1.180	1.156	1.131	1.114	1.109	1.105	1.101
459	439	418	398	378	357	336	316	295	274
3.814	3.804	3.793	3.781	3.769	3.757	3.745	3.732	3.719	3.706
1.334	1.293	1.253	1.212	1.171	1.130	1.090	1.049	1.008	967

796	794	791	789	786	783	781	778	775	772
0	0	0	0	0	0	0	0	0	0
835	818	801	783	765	746	728	709	689	670
2.363	2.262	2.162	2.062	1.963	1.865	1.768	1.671	1.576	1.482
1.279	1.275	1.271	1.267	1.263	1.259	1.255	1.251	1.246	1.242
815	813	811	809	807	805	802	800	797	795
1.361	1.335	1.309	1.283	1.256	1.228	1.200	1.172	1.143	1.114
1.580	1.569	1.559	1.548	1.538	1.527	1.516	1.505	1.494	1.483
666	671	677	682	687	692	697	701	705	709
618	616	614	612	610	608	605	603	601	599
916	913	911	908	905	902	899	895	892	889
7.711	7.609	7.507	7.403	7.297	7.190	7.082	6.973	6.862	6.750
2.279	2.229	2.179	2.129	2.079	2.030	1.980	1.930	1.881	1.832
757	754	752	749	747	744	741	738	735	732
762	749	736	723	710	696	683	670	657	643
1.326	1.322	1.319	1.316	1.312	1.309	1.305	1.301	1.297	1.293
559	557	555	553	552	550	548	546	544	542
0	0	0	0	0	0	0	0	0	0
1.683	1.648	1.613	1.578	1.543	1.508	1.473	1.438	1.404	1.369
2.463	2.342	2.335	2.328	2.320	2.313	2.305	2.297	2.289	2.280
384	383	382	381	380	379	378	377	376	375
265	265	264	263	262	262	261	260	259	258
1.472	1.372	1.271	1.170	1.068	965	881	878	874	870
1.055	1.052	1.048	1.045	1.041	1.038	1.034	1.030	1.026	1.022
0	0	0	0	0	0	0	0	0	0
897	894	891	888	885	882	879	875	872	868
486	484	483	481	480	478	476	475	473	471
2.012	2.006	2.001	1.996	1.990	1.984	1.978	1.972	1.966	1.960
315	314	313	311	310	309	308	307	306	304
1.271	1.267	1.263	1.259	1.254	1.250	1.245	1.240	1.235	1.230
1.496	1.491	1.486	1.482	1.477	1.472	1.466	1.461	1.456	1.450
571	563	556	548	540	533	525	517	510	502
1.721	1.727	1.733	1.738	1.743	1.747	1.752	1.755	1.758	1.761
0	0	0	0	0	0	0	0	0	0
3.489	3.431	3.372	3.313	3.254	3.195	3.136	3.077	3.018	2.959
910	908	906	903	901	898	896	893	891	888
260	259	258	257	256	255	255	254	253	252
758	756	753	751	748	745	743	740	737	734
1.563	1.229	897	567	240	0	0	0	0	0
660	658	656	653	651	649	646	644	641	638
745	743	740	738	735	733	730	727	724	722
1.264	1.259	1.254	1.249	1.244	1.239	1.233	1.227	1.222	1.216
1.361	1.358	1.355	1.351	1.348	1.344	1.340	1.337	1.333	1.329
3.012	2.996	2.980	2.963	2.945	2.927	2.909	2.890	2.870	2.851
660	658	657	655	653	652	650	648	646	644
2.829	2.821	2.813	2.805	2.797	2.788	2.779	2.770	2.761	2.752
2.961	2.923	2.884	2.845	2.806	2.767	2.727	2.687	2.647	2.607
944	941	938	935	932	928	925	922	918	915
441	440	438	437	435	434	432	431	429	427
2.464	2.336	2.208	2.081	1.955	1.829	1.703	1.579	1.455	1.332
0	0	0	0	0	0	0	0	0	0
1.695	1.689	1.683	1.677	1.670	1.664	1.657	1.650	1.643	1.636
558	557	555	553	551	549	547	545	543	541
3.138	3.130	3.123	3.115	3.107	3.099	3.090	3.082	3.073	3.064
514	512	510	508	506	504	502	500	498	495
534	480	427	373	320	267	215	162	110	58
1.013	924	834	745	656	566	477	387	297	208
2.258	2.250	2.241	2.233	2.224	2.215	2.205	2.195	2.186	2.176
3.117	3.010	2.903	2.796	2.690	2.584	2.478	2.373	2.269	2.166
803	794	791	789	787	785	782	780	777	775
2.497	2.478	2.459	2.439	2.419	2.398	2.378	2.357	2.335	2.313
0	0	0	0	0	0	0	0	0	0

420	419	417	416	415	414	413	411	410	409
2.290	2.279	2.268	2.257	2.245	2.233	2.220	2.207	2.194	2.181
1.125	1.080	1.035	991	946	902	859	815	772	729
1.455	1.406	1.356	1.307	1.257	1.207	1.157	1.107	1.057	1.007
527	525	523	521	518	516	513	511	508	506
611	609	607	606	604	602	600	598	596	594
1.560	1.533	1.507	1.479	1.451	1.423	1.395	1.366	1.337	1.307
1.157	1.084	1.012	939	867	795	723	651	579	508
3.509	3.503	3.497	3.490	3.483	3.476	3.468	3.460	3.452	3.443
931	893	856	818	780	742	704	666	628	589
1.806	1.768	1.729	1.689	1.648	1.607	1.566	1.524	1.481	1.439
446	445	443	442	441	439	437	436	434	433
2.021	2.019	2.016	2.014	2.011	2.008	2.006	2.003	2.000	1.997
367	366	365	364	363	362	361	359	358	357
695	570	445	319	195	70	0	0	0	0
2.566	2.565	2.562	2.559	2.554	2.548	2.541	2.532	2.523	2.512
1.772	1.544	1.317	1.092	869	648	429	213	0	0
1.228	1.224	1.220	1.216	1.212	1.207	1.203	1.198	1.194	1.189
0	0	0	0	0	0	0	0	0	0
910	906	903	900	897	893	890	886	883	879
633	631	629	627	625	623	621	619	616	614
413	400	386	372	358	343	329	315	301	286
1.561	1.553	1.546	1.537	1.529	1.521	1.512	1.503	1.494	1.484
576	555	533	512	504	502	501	499	498	496
3.343	3.342	3.340	3.338	3.336	3.333	3.330	3.327	3.323	3.319
527	502	477	452	428	403	378	354	329	305
1.051	1.022	993	963	934	904	875	872	870	867
955	931	905	880	854	827	800	773	751	748
3.139	3.099	3.059	3.019	2.978	2.938	2.897	2.856	2.815	2.774
1.039	1.036	1.032	1.028	1.025	1.021	1.017	1.013	1.009	1.005
954	952	950	948	946	944	942	940	937	935
903	888	872	856	840	823	807	790	773	756
1.301	1.276	1.251	1.226	1.201	1.176	1.151	1.126	1.101	1.076
1.119	1.115	1.112	1.109	1.105	1.102	1.098	1.094	1.091	1.087
1.013	989	965	941	916	891	865	839	813	790
329	328	327	326	325	324	323	322	321	320
1.082	1.047	1.011	975	940	905	869	835	800	765
3.140	3.089	3.037	2.986	2.934	2.882	2.830	2.778	2.725	2.673
957	942	926	911	895	879	864	848	832	816
1.339	1.317	1.313	1.309	1.305	1.301	1.296	1.292	1.287	1.282
4.217	4.175	4.131	4.088	4.043	3.999	3.953	3.908	3.862	3.815
1.804	1.761	1.718	1.675	1.632	1.589	1.546	1.502	1.459	1.417
1.320	1.292	1.263	1.233	1.203	1.172	1.141	1.108	1.076	1.042
171	170	170	169	168	168	167	166	165	165
0	0	0	0	0	0	0	0	0	0
2.111	2.106	2.101	2.095	2.089	2.084	2.078	2.071	2.065	2.059
0	0	0	0	0	0	0	0	0	0
1.024	1.020	1.016	1.013	1.009	1.005	1.001	997	993	988
0	0	0	0	0	0	0	0	0	0
1.892	1.887	1.883	1.878	1.873	1.869	1.864	1.858	1.853	1.848
505	483	461	440	418	396	375	353	332	310
1.165	1.158	1.152	1.145	1.138	1.131	1.124	1.117	1.110	1.103
2.971	2.955	2.939	2.922	2.905	2.888	2.870	2.853	2.835	2.817
564	562	560	558	556	554	552	550	547	545
1.233	1.228	1.224	1.220	1.215	1.210	1.206	1.201	1.196	1.191
1.561	1.555	1.549	1.543	1.536	1.530	1.523	1.517	1.510	1.503
3.877	3.823	3.767	3.712	3.655	3.598	3.541	3.483	3.425	3.366
1.198	1.177	1.155	1.133	1.111	1.089	1.066	1.044	1.021	997
0	0	0	0	0	0	0	0	0	0
1.783	1.772	1.760	1.748	1.736	1.724	1.712	1.699	1.687	1.675
3.208	3.197	3.185	3.174	3.162	3.150	3.137	3.124	3.111	3.098
213	188	183	182	182	181	181	180	180	179

1.770	1.744	1.717	1.691	1.664	1.637	1.610	1.583	1.555	1.528
1.391	1.387	1.383	1.378	1.374	1.370	1.365	1.361	1.356	1.351
1.133	1.093	1.052	1.011	991	987	983	979	975	971
2.561	2.543	2.525	2.507	2.489	2.470	2.451	2.432	2.412	2.393
707	705	703	700	698	695	693	690	687	684
414	413	412	411	410	409	408	407	406	404
180	177	173	170	166	163	160	156	153	149
1.311	1.308	1.304	1.300	1.296	1.293	1.288	1.284	1.280	1.276
443	442	440	439	437	436	434	433	431	429
1.252	1.248	1.244	1.239	1.235	1.230	1.225	1.220	1.215	1.210
1.332	1.309	1.285	1.261	1.236	1.211	1.186	1.161	1.135	1.109
15.724	15.795	15.859	15.918	15.971	16.017	16.058	16.093	16.121	16.144
1.469	1.436	1.402	1.368	1.332	1.297	1.260	1.224	1.186	1.148
908	905	902	899	896	893	890	886	883	880
1.993	1.935	1.877	1.819	1.765	1.758	1.752	1.746	1.739	1.732
2.210	2.225	2.239	2.252	2.265	2.278	2.290	2.301	2.312	2.323
2.425	2.362	2.300	2.236	2.173	2.110	2.046	1.983	1.919	1.856
218	199	180	162	143	124	105	87	68	49
2.108	2.104	2.099	2.095	2.090	2.085	2.080	2.074	2.069	2.063
679	677	675	672	670	668	666	663	661	658
225	156	88	19	0	0	0	0	0	0
570	567	565	563	561	558	556	554	551	548
2.298	2.245	2.192	2.139	2.086	2.033	1.980	1.927	1.874	1.821
935	932	929	926	922	919	916	912	909	905
0	0	0	0	0	0	0	0	0	0
949	945	942	938	934	931	927	923	919	915
603	601	599	596	594	592	590	587	585	582
900	897	895	892	889	886	883	879	876	873
903	899	896	893	889	885	882	878	874	870
148	115	82	50	17	0	0	0	0	0
766	717	668	619	570	522	474	425	378	330
1.019	991	962	933	912	909	906	902	899	896
552	550	549	547	546	544	542	541	539	537
4.114	4.047	3.979	3.911	3.844	3.776	3.707	3.639	3.571	3.503
2.252	2.171	2.090	2.009	1.928	1.848	1.768	1.688	1.609	1.531
1.435	1.431	1.427	1.423	1.419	1.415	1.410	1.406	1.401	1.397
1.315	1.291	1.267	1.243	1.219	1.195	1.170	1.146	1.121	1.096
0	0	0	0	0	0	0	0	0	0
1.261	1.256	1.252	1.247	1.242	1.237	1.232	1.227	1.221	1.216
2.430	2.394	2.357	2.320	2.282	2.243	2.203	2.162	2.121	2.078
6.935	6.958	6.980	7.000	7.017	7.033	7.047	7.060	7.070	7.079
949	947	945	943	940	938	935	933	930	928
635	633	631	629	627	625	623	621	618	616
487	486	484	483	481	479	478	476	474	473
0	0	0	0	0	0	0	0	0	0
1.075	1.073	1.070	1.067	1.064	1.061	1.058	1.054	1.051	1.048
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
2.311	2.302	2.293	2.284	2.274	2.265	2.255	2.245	2.234	2.224
235	114	0	0	0	0	0	0	0	0
1.212	1.201	1.190	1.178	1.166	1.155	1.143	1.131	1.119	1.107
708	705	703	700	698	695	692	689	686	683
1.931	1.926	1.920	1.915	1.909	1.903	1.898	1.891	1.885	1.879
2.247	2.201	2.156	2.110	2.063	2.015	1.967	1.919	1.869	1.820
2.654	2.665	2.676	2.687	2.696	2.706	2.714	2.723	2.730	2.737
3.121	3.101	3.081	3.061	3.040	3.018	2.997	2.975	2.952	2.930
3.273	3.210	3.145	3.080	3.014	2.947	2.879	2.810	2.740	2.669
1.070	969	869	770	672	575	479	385	291	200
845	842	840	837	834	831	828	825	822	819
2.358	2.350	2.342	2.334	2.326	2.318	2.309	2.300	2.291	2.282
1.294	1.289	1.285	1.280	1.275	1.270	1.265	1.259	1.254	1.249
77	63	48	33	19	4	0	0	0	0

807	792	777	762	747	733	718	703	688	673
17.196	17.017	16.836	16.654	16.470	16.285	16.099	15.912	15.723	15.534
2.326	2.343	2.360	2.377	2.392	2.407	2.422	2.436	2.449	2.462
899	872	865	861	858	854	850	846	842	838
908	882	879	875	872	869	865	862	858	854
1.128	1.126	1.123	1.120	1.117	1.114	1.110	1.107	1.104	1.100
3.157	3.130	3.103	3.075	3.048	3.019	2.991	2.962	2.933	2.903
1.108	1.105	1.102	1.099	1.095	1.092	1.089	1.085	1.082	1.078
1.866	1.859	1.853	1.846	1.839	1.832	1.825	1.818	1.810	1.802
867	866	864	863	861	860	858	857	855	853
2.777	2.617	2.457	2.295	2.133	1.969	1.805	1.697	1.691	1.686
2.510	2.439	2.367	2.295	2.222	2.150	2.077	2.003	1.930	1.856
640	638	636	633	631	628	626	623	620	618
977	975	972	970	967	964	962	959	956	953
622	620	618	616	615	613	611	609	607	604
1.177	1.049	922	796	671	546	422	300	178	58
0	0	0	0	0	0	0	0	0	0
1.485	1.449	1.413	1.376	1.339	1.302	1.276	1.273	1.269	1.266
1.057	1.045	1.033	1.021	1.009	997	985	972	960	947
1.042	1.035	1.028	1.020	1.012	1.005	997	989	981	973
1.976	1.893	1.809	1.725	1.641	1.556	1.471	1.386	1.300	1.214
596	576	555	534	513	506	505	503	501	499
302	301	299	298	297	295	294	293	291	290
2.110	2.105	2.100	2.094	2.088	2.082	2.076	2.070	2.063	2.057
1.158	1.139	1.120	1.100	1.080	1.060	1.039	1.019	997	976
1.110	1.107	1.104	1.101	1.097	1.094	1.091	1.087	1.083	1.080
1.555	1.543	1.531	1.520	1.508	1.496	1.484	1.472	1.460	1.447
460	459	457	456	455	453	452	451	449	448
989	986	983	980	977	974	971	967	964	960
626	583	540	497	453	409	376	374	373	371
6.041	6.010	5.978	5.946	5.913	5.880	5.847	5.813	5.778	5.744
532	531	529	528	526	524	523	521	519	518
3.447	3.337	3.226	3.114	3.002	2.889	2.776	2.662	2.548	2.433
1.123	1.121	1.118	1.116	1.113	1.111	1.108	1.105	1.102	1.100
9.045	9.029	9.011	8.991	8.969	8.946	8.920	8.893	8.863	8.832
9.703	9.642	9.580	9.517	9.453	9.387	9.321	9.254	9.185	9.116
1.441	1.432	1.422	1.412	1.402	1.391	1.381	1.371	1.360	1.350
1.026	1.022	1.019	1.015	1.012	1.008	1.004	1.000	996	992
2.082	2.074	2.065	2.057	2.047	2.038	2.029	2.019	2.009	1.999
956	923	900	897	895	892	889	886	883	880
4.605	4.589	4.573	4.556	4.539	4.522	4.504	4.486	4.467	4.448
964	961	958	955	952	948	945	942	938	935
1.478	1.474	1.469	1.465	1.460	1.456	1.451	1.446	1.441	1.436
1.947	1.941	1.936	1.930	1.924	1.918	1.912	1.905	1.899	1.892
3.552	3.523	3.493	3.463	3.433	3.402	3.371	3.340	3.308	3.276
734	731	729	727	724	722	719	717	714	712
254	254	253	252	251	251	250	249	248	247
203	152	100	49	0	0	0	0	0	0
847	844	840	836	833	829	825	821	817	813
721	662	657	652	647	642	637	632	627	621
1.614	1.609	1.603	1.598	1.592	1.586	1.580	1.573	1.567	1.560
806	777	748	719	690	661	632	603	574	545
495	493	491	490	488	486	484	482	480	478
676	673	670	668	665	662	659	655	652	649
8.689	8.468	8.248	8.028	7.809	7.591	7.373	7.156	6.940	6.725
2.012	2.006	2.000	1.994	1.987	1.981	1.974	1.967	1.959	1.952
5.601	5.390	5.181	4.972	4.766	4.560	4.356	4.154	3.953	3.754
4.335	4.353	4.370	4.385	4.400	4.413	4.425	4.436	4.446	4.455
899	681	465	250	37	0	0	0	0	0
803	796	788	780	772	764	756	748	740	732
2.818	2.761	2.703	2.645	2.587	2.530	2.472	2.414	2.357	2.300
2.082	2.077	2.072	2.066	2.061	2.055	2.049	2.043	2.037	2.030

8.935	8.952	8.967	8.980	8.991	8.999	9.006	9.010	9.012	9.012
623	491	359	227	97	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
4.191	4.169	4.147	4.124	4.101	4.076	4.052	4.026	4.000	3.974
1.489	1.408	1.327	1.245	1.163	1.080	998	994	991	987
618	616	614	612	610	608	606	603	601	599
206	205	204	203	203	202	201	200	199	199
151	79	6	0	0	0	0	0	0	0
3.197	3.068	2.938	2.808	2.677	2.546	2.414	2.281	2.149	2.016
695	693	691	689	686	684	682	679	677	674
4.849	4.786	4.723	4.660	4.596	4.533	4.469	4.405	4.341	4.277
272	271	270	269	268	267	266	265	264	263
2.528	2.441	2.353	2.266	2.178	2.090	2.002	1.914	1.826	1.738
3.509	3.385	3.262	3.138	3.014	2.890	2.765	2.641	2.517	2.393
2.519	2.381	2.243	2.106	1.969	1.833	1.698	1.563	1.429	1.297
4.198	4.174	4.149	4.125	4.100	4.074	4.049	4.023	3.997	3.971
1.320	1.316	1.312	1.307	1.303	1.299	1.294	1.290	1.285	1.280
261	260	259	258	257	256	255	254	253	252
860	857	854	851	848	845	842	838	835	831
700	698	696	694	692	690	688	686	684	681
600	575	561	559	558	556	555	553	551	549
1.852	1.849	1.846	1.843	1.839	1.835	1.831	1.827	1.822	1.818
710	707	704	702	699	696	693	690	687	684
5.079	5.017	4.955	4.892	4.829	4.766	4.702	4.639	4.574	4.510
2.071	2.052	2.033	2.014	1.995	1.976	1.957	1.938	1.918	1.898
1.100	1.078	1.056	1.034	1.012	989	967	944	921	898
1.227	1.222	1.217	1.212	1.206	1.200	1.194	1.188	1.182	1.176
1.598	1.607	1.616	1.624	1.631	1.638	1.645	1.651	1.656	1.661
13.334	13.140	12.944	12.746	12.548	12.349	12.149	11.948	11.811	11.740
0	0	0	0	0	0	0	0	0	0
1.989	1.948	1.907	1.866	1.825	1.784	1.743	1.702	1.661	1.621
540	539	537	535	534	532	530	528	526	524
1.104	1.098	1.093	1.087	1.081	1.075	1.069	1.063	1.057	1.050
2.087	2.081	2.074	2.068	2.061	2.054	2.047	2.039	2.032	2.024
791	762	733	703	674	645	615	586	557	527
2.304	2.242	2.179	2.116	2.051	1.986	1.920	1.853	1.786	1.718
350	349	348	347	346	345	344	343	341	340
1.038	1.028	1.019	1.009	999	989	979	969	959	949
906	903	900	897	893	890	886	883	879	875
2.688	2.636	2.583	2.530	2.478	2.425	2.372	2.319	2.266	2.213
2.326	2.270	2.214	2.158	2.102	2.046	1.990	1.934	1.878	1.822
2.001	1.931	1.862	1.793	1.723	1.654	1.585	1.515	1.446	1.377
966	964	961	958	955	952	949	946	943	939
652	650	648	645	643	640	638	636	633	630
1.907	1.897	1.887	1.877	1.867	1.857	1.846	1.836	1.825	1.814
635	629	623	617	610	604	597	591	585	578
1.209	1.164	1.120	1.075	1.030	985	940	895	850	805
1.399	1.345	1.291	1.238	1.185	1.133	1.080	1.029	977	926
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
3.508	3.491	3.475	3.457	3.440	3.422	3.403	3.384	3.365	3.345
801	799	796	794	792	789	787	784	781	779
3.444	3.407	3.370	3.332	3.294	3.255	3.216	3.177	3.137	3.097
503	501	499	497	496	494	492	490	488	486
1.054	1.051	1.048	1.044	1.041	1.037	1.034	1.030	1.026	1.022
3.753	3.736	3.719	3.701	3.683	3.664	3.645	3.626	3.607	3.587
0	0	0	0	0	0	0	0	0	0
881	852	823	794	764	735	705	676	653	642
1.642	1.638	1.633	1.629	1.624	1.619	1.614	1.609	1.604	1.599
3.412	3.358	3.304	3.249	3.193	3.136	3.078	3.020	2.961	2.901
717	713	710	707	703	700	696	692	688	684
1.009	1.006	1.003	1.000	997	994	991	988	985	981

827	817	807	797	787	777	766	756	746	736
6.675	6.638	6.601	6.562	6.524	6.484	6.444	6.404	6.362	6.321
483	397	310	224	138	51	0	0	0	0
686	553	421	290	159	29	0	0	0	0
2.539	2.516	2.493	2.470	2.446	2.422	2.398	2.373	2.349	2.324
0	0	0	0	0	0	0	0	0	0
716	687	658	629	600	571	542	513	484	456
93	47	1	0	0	0	0	0	0	0
8.795	8.749	8.703	8.656	8.608	8.560	8.511	8.462	8.411	8.361
1.065	974	884	794	704	615	527	439	352	265
921	917	914	911	907	904	900	896	893	889
514	512	510	509	507	505	503	501	500	498
3.126	3.052	2.978	2.904	2.830	2.755	2.680	2.606	2.531	2.456
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
962	958	954	950	946	942	937	933	928	924
2.031	2.027	2.022	2.018	2.013	2.008	2.003	1.998	1.993	1.988
1.009	1.006	1.004	1.001	998	995	992	989	986	983
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
1.077	1.067	1.056	1.045	1.035	1.024	1.013	1.002	991	980
767	765	763	761	758	756	754	751	749	746
1.078	1.074	1.070	1.066	1.062	1.058	1.054	1.049	1.045	1.040
2.817	2.811	2.805	2.799	2.794	2.788	2.782	2.777	2.771	2.765
626	483	340	198	55	0	0	0	0	0
1.633	1.628	1.623	1.618	1.613	1.607	1.602	1.596	1.590	1.584
1.391	1.386	1.381	1.376	1.371	1.365	1.360	1.354	1.348	1.342
1.782	1.662	1.542	1.422	1.303	1.185	1.067	950	833	718
741	738	734	731	728	724	720	717	713	709
7.419	7.293	7.166	7.039	6.911	6.783	6.654	6.526	6.397	6.268
547	545	543	542	540	538	536	534	533	531
2.119	2.104	2.089	2.073	2.058	2.042	2.026	2.010	1.994	1.978
499	482	465	448	430	412	400	399	398	396
2.582	2.550	2.517	2.485	2.453	2.420	2.388	2.355	2.323	2.290
1.033	1.016	1.000	983	966	949	933	916	899	882
824	821	819	816	813	810	807	804	801	798
1.694	1.685	1.675	1.665	1.656	1.646	1.636	1.625	1.615	1.605
1.140	1.121	1.103	1.085	1.066	1.047	1.027	1.007	987	967
577	561	545	528	511	493	476	457	455	454
720	699	677	656	634	612	590	568	564	561
3.842	3.744	3.647	3.550	3.454	3.357	3.261	3.166	3.071	2.976
3.390	3.332	3.274	3.216	3.159	3.101	3.043	2.985	2.927	2.870
6.419	6.280	6.138	5.994	5.846	5.696	5.543	5.388	5.230	5.157
225	209	194	179	163	148	133	118	103	88
1.744	1.719	1.694	1.669	1.643	1.617	1.591	1.565	1.538	1.511
197	197	196	195	195	194	193	192	192	191
14.855	14.485	14.113	13.741	13.368	12.995	12.621	12.248	11.875	11.503
7.815	7.774	7.731	7.687	7.642	7.595	7.548	7.499	7.449	7.399
1.977	1.922	1.867	1.812	1.758	1.703	1.648	1.594	1.539	1.485
766	735	713	711	709	707	704	702	700	697
471	470	468	467	466	464	463	462	460	459
4.060	3.801	3.544	3.288	3.035	2.783	2.534	2.288	2.044	1.802
1.382	1.378	1.375	1.371	1.367	1.363	1.358	1.354	1.350	1.345
823	821	818	816	813	811	808	805	802	800
358	357	355	354	353	351	350	348	346	345
819	817	814	811	809	806	803	800	797	794
434	433	431	430	428	426	425	423	421	419
557	510	463	415	377	375	374	373	372	370
787	785	782	780	777	775	772	769	766	764
719	701	683	664	646	627	613	611	608	606
822	820	817	814	811	808	805	802	799	796
1.288	1.284	1.280	1.277	1.273	1.269	1.265	1.261	1.257	1.253

904	898	893	887	881	875	869	862	856	849
0	0	0	0	0	0	0	0	0	0
830.365	817.372	804.779	792.475	780.376	768.932	758.263	748.119	738.196	728.624

ano 2057	ano 2058	ano 2059	ano 2060	ano 2061	ano 2062	ano 2063	ano 2064	ano 2065	ano 2066
1.589	1.582	1.576	1.569	1.563	1.556	1.549	1.542	1.536	1.528
1.110	1.105	1.100	1.095	1.090	1.085	1.079	1.074	1.068	1.063
4.591	4.574	4.556	4.538	4.520	4.501	4.483	4.463	4.444	4.425
641	639	636	634	631	629	626	624	621	618
1.762	1.756	1.750	1.743	1.737	1.731	1.724	1.718	1.711	1.704
4.725	4.652	4.579	4.506	4.434	4.361	4.289	4.217	4.145	4.073
1.052	1.049	1.045	1.042	1.038	1.035	1.031	1.027	1.023	1.020
563	560	558	556	554	551	549	546	544	542
2.726	2.717	2.707	2.697	2.687	2.677	2.667	2.656	2.646	2.635
513	511	509	507	505	503	500	498	496	493
1.161	1.155	1.150	1.144	1.139	1.133	1.127	1.121	1.115	1.109
0	0	0	0	0	0	0	0	0	0
2.044	2.037	2.031	2.024	2.018	2.011	2.004	1.997	1.990	1.983
724	721	717	714	711	707	704	700	696	693
325	323	322	321	320	318	317	316	314	313
1.699	1.692	1.685	1.678	1.670	1.663	1.655	1.648	1.640	1.632
1.445	1.382	1.319	1.256	1.193	1.181	1.174	1.166	1.159	1.152
388	386	384	382	380	378	376	374	372	370
2.230	2.233	2.237	2.240	2.242	2.244	2.245	2.245	2.246	2.245
1.848	1.840	1.833	1.825	1.817	1.808	1.800	1.792	1.783	1.775
1.037	952	869	785	702	619	537	455	374	294
990	986	982	978	974	970	965	961	957	952
311	307	303	298	294	290	285	281	277	272
3.763	3.689	3.615	3.541	3.466	3.392	3.362	3.347	3.332	3.317
1.632	1.639	1.644	1.650	1.655	1.660	1.665	1.669	1.674	1.678
332	280	228	176	125	74	23	0	0	0
979	975	970	966	962	957	953	948	943	938
2.035	2.026	2.017	2.008	1.999	1.990	1.981	1.971	1.962	1.952
973	969	966	962	958	954	950	946	942	938
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
639	639	638	638	637	637	636	636	635	634
674	671	668	664	661	657	654	651	647	643
4.053	4.007	3.962	3.915	3.868	3.820	3.771	3.722	3.673	3.622
300	298	297	296	294	293	291	290	289	287
910	904	897	890	884	877	870	863	856	849
2.481	2.465	2.448	2.431	2.414	2.397	2.380	2.363	2.345	2.328
652	649	647	645	643	641	638	636	634	631
236	235	234	233	232	231	229	228	227	226
462	460	458	457	455	453	451	449	448	446
2.684	2.676	2.667	2.659	2.650	2.641	2.632	2.623	2.614	2.605
796	794	791	788	785	782	778	775	772	769
0	0	0	0	0	0	0	0	0	0
185	184	183	183	182	181	180	180	179	178
659	656	652	649	646	643	640	636	633	630
851	848	845	842	838	835	832	828	825	821
650	647	645	642	639	637	634	631	629	626
1.843	1.823	1.802	1.782	1.760	1.739	1.717	1.695	1.673	1.651
1.065	1.061	1.057	1.052	1.048	1.043	1.038	1.034	1.029	1.024
0	0	0	0	0	0	0	0	0	0
602	599	597	595	593	590	588	586	583	581
1.605	1.577	1.550	1.523	1.495	1.468	1.441	1.414	1.387	1.360
3.315	3.274	3.232	3.191	3.148	3.105	3.062	3.019	2.975	2.931
1.709	1.691	1.685	1.680	1.674	1.668	1.662	1.656	1.650	1.643
818	815	812	808	805	801	798	794	790	786
313	312	311	310	308	307	306	305	304	302
1.409	1.402	1.396	1.389	1.382	1.376	1.369	1.362	1.355	1.347
0	0	0	0	0	0	0	0	0	0
3.014	2.995	2.976	2.957	2.937	2.917	2.897	2.876	2.855	2.834
2.830	2.841	2.851	2.862	2.872	2.882	2.892	2.901	2.910	2.919
7.745	7.632	7.519	7.406	7.293	7.181	7.068	6.956	6.844	6.732

0	0	0	0	0	0	0	0	0	0
2.271	2.247	2.222	2.197	2.172	2.147	2.122	2.096	2.071	2.045
448	446	445	443	441	439	437	435	433	431
1.381	1.376	1.370	1.364	1.359	1.353	1.347	1.341	1.335	1.328
7.724	7.588	7.452	7.317	7.182	7.047	6.912	6.778	6.644	6.511
280	279	277	276	274	273	271	270	268	267
605	602	600	597	595	592	589	587	584	581
1.188	1.162	1.136	1.110	1.084	1.058	1.032	1.005	979	952
1.679	1.672	1.666	1.659	1.651	1.644	1.637	1.630	1.622	1.615
0	0	0	0	0	0	0	0	0	0
1.996	1.978	1.960	1.941	1.923	1.904	1.886	1.867	1.848	1.830
0	0	0	0	0	0	0	0	0	0
861	843	824	806	787	769	750	732	713	695
8.042	7.993	7.942	7.891	7.838	7.785	7.732	7.677	7.622	7.566
2.396	2.386	2.377	2.367	2.357	2.346	2.336	2.326	2.315	2.304
1.004	998	993	987	982	976	970	964	958	952
0	0	0	0	0	0	0	0	0	0
20.150	19.816	19.479	19.142	18.803	18.464	18.124	17.783	17.441	17.099
0	0	0	0	0	0	0	0	0	0
975	964	954	944	933	923	912	901	891	880
1.408	1.405	1.402	1.400	1.397	1.393	1.390	1.387	1.383	1.379
1.194	1.199	1.205	1.209	1.214	1.218	1.221	1.224	1.227	1.229
1.183	1.178	1.173	1.168	1.163	1.157	1.152	1.146	1.141	1.135
0	0	0	0	0	0	0	0	0	0
1.877	1.828	1.778	1.729	1.680	1.631	1.582	1.533	1.485	1.436
822	818	814	809	805	800	796	791	787	782
0	0	0	0	0	0	0	0	0	0
2.759	2.745	2.730	2.715	2.699	2.684	2.668	2.652	2.636	2.620
0	0	0	0	0	0	0	0	0	0
2.511	2.403	2.297	2.191	2.086	1.981	1.878	1.776	1.674	1.574
529	528	526	525	523	522	520	518	517	515
893	889	884	880	876	871	866	862	857	852
854	850	847	843	839	835	831	827	823	819
937	886	834	818	815	811	808	805	801	798
0	0	0	0	0	0	0	0	0	0
775	771	768	765	761	758	754	751	747	743
1.671	1.652	1.632	1.613	1.593	1.574	1.554	1.534	1.515	1.495
2.194	2.177	2.159	2.142	2.124	2.106	2.088	2.070	2.051	2.033
678	675	672	669	666	663	660	657	654	651
3.513	3.501	3.488	3.475	3.462	3.449	3.435	3.422	3.408	3.394
561	503	445	387	330	273	216	159	103	47
904	900	896	892	888	884	880	875	871	867
748	738	729	719	710	700	690	681	671	662
1.482	1.455	1.428	1.401	1.373	1.345	1.316	1.288	1.258	1.229
372	371	369	368	366	365	363	361	360	358
0	0	0	0	0	0	0	0	0	0
3.627	3.595	3.562	3.528	3.494	3.459	3.424	3.388	3.351	3.314
0	0	0	0	0	0	0	0	0	0
398	397	395	394	393	391	390	389	387	386
1.132	1.123	1.114	1.105	1.097	1.088	1.079	1.070	1.061	1.051
934	930	927	923	919	916	912	908	904	900
609	606	604	601	598	596	593	590	588	585
982	977	972	968	963	958	953	949	944	938
932	927	922	917	912	907	902	897	891	886
635	632	630	628	625	623	620	618	615	613
796	792	788	784	780	776	772	767	763	758
594	592	591	589	587	585	584	582	580	578
1.215	1.206	1.196	1.187	1.177	1.167	1.157	1.147	1.137	1.126
1.096	1.092	1.087	1.083	1.078	1.073	1.068	1.063	1.058	1.053
254	253	252	251	250	249	248	247	246	245
3.693	3.679	3.665	3.651	3.637	3.622	3.607	3.592	3.577	3.562
926	885	844	803	762	721	680	671	668	665

769	766	763	759	756	753	750	746	743	740
0	0	0	0	0	0	0	0	0	0
650	633	632	630	629	627	625	624	622	620
1.390	1.299	1.209	1.122	1.036	952	870	793	773	752
1.237	1.233	1.228	1.223	1.218	1.213	1.208	1.203	1.198	1.193
792	790	787	784	782	779	776	773	770	767
1.084	1.054	1.023	992	961	953	950	947	944	941
1.472	1.460	1.449	1.438	1.426	1.414	1.403	1.391	1.379	1.367
713	716	720	723	726	728	731	733	735	737
596	594	591	589	586	584	581	578	576	573
885	882	878	875	871	867	864	860	856	852
6.637	6.523	6.407	6.291	6.173	6.055	5.935	5.814	5.692	5.570
1.783	1.734	1.685	1.637	1.589	1.541	1.494	1.447	1.400	1.353
729	726	723	720	716	713	710	706	703	699
630	617	603	590	576	563	550	536	523	510
1.289	1.285	1.281	1.277	1.273	1.268	1.264	1.259	1.255	1.250
540	538	536	533	531	529	527	524	522	520
0	0	0	0	0	0	0	0	0	0
1.334	1.300	1.265	1.231	1.197	1.163	1.129	1.096	1.062	1.029
2.272	2.263	2.254	2.245	2.236	2.227	2.217	2.208	2.198	2.188
374	373	371	370	369	368	366	365	364	362
257	257	256	255	254	253	252	251	250	249
867	863	859	855	851	846	842	838	834	829
1.018	1.014	1.010	1.005	1.001	996	992	987	982	978
0	0	0	0	0	0	0	0	0	0
865	861	858	854	850	847	843	839	835	831
469	467	466	464	462	460	458	456	453	451
1.954	1.947	1.940	1.934	1.927	1.920	1.913	1.906	1.898	1.891
303	302	300	299	298	296	295	293	292	290
1.225	1.220	1.215	1.210	1.204	1.199	1.193	1.188	1.182	1.176
1.444	1.439	1.433	1.427	1.421	1.415	1.408	1.402	1.396	1.389
494	487	479	471	464	456	448	441	433	425
1.764	1.766	1.767	1.769	1.770	1.770	1.770	1.770	1.769	1.769
0	0	0	0	0	0	0	0	0	0
2.900	2.841	2.782	2.724	2.666	2.608	2.550	2.492	2.435	2.378
885	882	879	876	873	870	867	864	861	858
251	250	249	248	247	246	245	244	243	241
731	728	725	722	718	715	712	709	705	702
0	0	0	0	0	0	0	0	0	0
636	633	630	627	625	622	619	616	613	610
719	716	713	710	707	703	700	697	694	690
1.210	1.204	1.197	1.191	1.185	1.178	1.172	1.165	1.158	1.151
1.325	1.321	1.317	1.313	1.308	1.304	1.300	1.295	1.291	1.286
2.831	2.810	2.789	2.768	2.747	2.725	2.703	2.680	2.658	2.635
642	640	638	636	634	632	630	628	626	623
2.742	2.733	2.723	2.713	2.702	2.692	2.682	2.671	2.660	2.649
2.566	2.525	2.484	2.443	2.401	2.360	2.318	2.276	2.234	2.192
911	908	904	900	896	893	889	885	881	876
426	424	422	420	419	417	415	413	411	409
1.209	1.088	967	848	730	612	496	381	267	155
0	0	0	0	0	0	0	0	0	0
1.629	1.622	1.615	1.608	1.600	1.593	1.586	1.578	1.571	1.563
539	537	535	532	530	528	525	523	521	518
3.054	3.045	3.035	3.025	3.015	3.004	2.994	2.983	2.972	2.961
493	491	488	486	484	481	479	476	474	471
6	0	0	0	0	0	0	0	0	0
118	29	0	0	0	0	0	0	0	0
2.165	2.155	2.144	2.133	2.123	2.111	2.100	2.089	2.077	2.065
2.063	1.961	1.860	1.760	1.661	1.563	1.466	1.370	1.275	1.181
772	769	767	764	761	758	756	753	750	747
2.292	2.269	2.247	2.224	2.201	2.177	2.154	2.130	2.106	2.081
0	0	0	0	0	0	0	0	0	0

407	406	404	403	401	400	398	397	395	394
2.167	2.153	2.139	2.124	2.110	2.095	2.080	2.064	2.049	2.033
687	645	603	562	521	480	440	401	362	323
956	906	855	804	754	703	692	689	686	683
503	500	497	494	492	489	486	483	480	476
591	589	587	585	582	580	578	575	573	570
1.277	1.247	1.216	1.185	1.154	1.123	1.091	1.059	1.027	995
437	366	295	225	155	85	16	0	0	0
3.434	3.425	3.415	3.405	3.395	3.385	3.374	3.363	3.352	3.340
551	512	473	440	439	437	435	433	431	429
1.434	1.430	1.425	1.420	1.415	1.411	1.406	1.401	1.395	1.390
431	429	427	426	424	422	420	418	416	414
1.994	1.991	1.988	1.985	1.981	1.978	1.975	1.972	1.968	1.965
356	354	353	352	350	349	347	346	344	343
0	0	0	0	0	0	0	0	0	0
2.500	2.487	2.473	2.458	2.442	2.425	2.406	2.387	2.366	2.344
0	0	0	0	0	0	0	0	0	0
1.184	1.179	1.174	1.169	1.163	1.158	1.153	1.147	1.142	1.136
0	0	0	0	0	0	0	0	0	0
875	871	867	863	859	855	851	847	843	838
611	609	606	604	601	599	596	593	590	588
272	258	243	229	214	200	189	188	187	187
1.475	1.465	1.455	1.445	1.435	1.425	1.414	1.404	1.393	1.382
494	493	491	489	487	486	484	482	480	478
3.315	3.310	3.306	3.300	3.295	3.289	3.283	3.277	3.271	3.264
281	256	232	208	184	160	137	113	90	66
865	862	859	857	854	851	848	845	842	839
746	744	742	739	737	734	732	729	727	724
2.733	2.692	2.651	2.610	2.569	2.528	2.487	2.446	2.405	2.365
1.001	996	992	987	983	978	974	969	964	959
933	931	928	926	923	921	918	916	913	911
739	735	733	730	727	724	722	719	716	713
1.051	1.026	1.002	977	953	928	904	880	856	832
1.083	1.079	1.075	1.070	1.066	1.062	1.058	1.053	1.049	1.044
787	785	783	780	778	776	773	771	768	766
319	318	316	315	314	313	311	310	309	307
731	697	663	630	596	563	531	498	466	435
2.620	2.567	2.514	2.461	2.408	2.355	2.302	2.249	2.196	2.142
800	785	769	753	737	721	705	689	673	657
1.277	1.272	1.267	1.262	1.257	1.252	1.247	1.241	1.236	1.230
3.769	3.721	3.674	3.626	3.577	3.529	3.480	3.431	3.381	3.331
1.374	1.331	1.288	1.246	1.203	1.161	1.119	1.077	1.035	993
1.007	972	937	900	863	852	849	846	843	840
164	163	162	162	161	160	159	158	157	157
0	0	0	0	0	0	0	0	0	0
2.052	2.046	2.039	2.032	2.025	2.018	2.011	2.003	1.996	1.988
0	0	0	0	0	0	0	0	0	0
984	979	975	970	966	961	956	951	946	941
0	0	0	0	0	0	0	0	0	0
1.843	1.837	1.831	1.826	1.820	1.814	1.808	1.802	1.796	1.790
289	268	247	226	205	185	164	144	124	104
1.096	1.088	1.081	1.073	1.066	1.058	1.050	1.042	1.035	1.027
2.799	2.781	2.762	2.744	2.725	2.706	2.687	2.668	2.649	2.630
543	540	538	535	533	530	527	525	522	519
1.185	1.180	1.175	1.169	1.164	1.158	1.152	1.147	1.141	1.135
1.496	1.489	1.482	1.475	1.468	1.461	1.453	1.446	1.439	1.431
3.307	3.247	3.187	3.127	3.066	3.005	2.943	2.882	2.820	2.758
974	950	931	927	923	919	915	911	907	902
0	0	0	0	0	0	0	0	0	0
1.662	1.650	1.637	1.624	1.611	1.599	1.586	1.573	1.560	1.547
3.084	3.070	3.056	3.042	3.028	3.013	2.998	2.983	2.967	2.952
179	178	177	177	176	176	175	174	174	173

1.500	1.472	1.444	1.415	1.387	1.359	1.330	1.301	1.273	1.244
1.346	1.341	1.336	1.331	1.326	1.320	1.315	1.310	1.304	1.298
967	962	958	953	949	944	940	935	930	925
2.373	2.353	2.333	2.313	2.292	2.272	2.251	2.230	2.209	2.188
682	679	676	673	670	667	664	661	657	654
403	402	401	399	398	397	395	394	392	391
146	143	139	136	133	129	126	123	119	116
1.271	1.267	1.262	1.258	1.253	1.248	1.243	1.238	1.234	1.228
427	426	424	422	420	418	416	415	413	411
1.205	1.200	1.194	1.189	1.183	1.178	1.172	1.166	1.160	1.154
1.083	1.057	1.030	1.003	976	953	948	944	940	935
16.160	16.171	16.176	16.176	16.169	16.157	16.139	16.116	16.086	16.052
1.109	1.070	1.037	1.032	1.028	1.023	1.018	1.013	1.008	1.003
876	873	869	865	861	858	854	850	846	842
1.726	1.719	1.711	1.704	1.697	1.689	1.682	1.674	1.667	1.659
2.333	2.342	2.351	2.360	2.368	2.375	2.382	2.389	2.395	2.401
1.792	1.728	1.665	1.601	1.538	1.474	1.411	1.348	1.285	1.222
31	12	0	0	0	0	0	0	0	0
2.057	2.051	2.045	2.038	2.032	2.025	2.018	2.011	2.004	1.996
656	653	651	648	645	643	640	637	634	631
0	0	0	0	0	0	0	0	0	0
546	543	540	538	535	532	529	526	523	520
1.768	1.716	1.663	1.610	1.558	1.506	1.454	1.402	1.351	1.299
902	898	894	890	886	882	878	874	870	866
0	0	0	0	0	0	0	0	0	0
910	906	902	897	893	888	883	879	874	869
580	577	574	572	569	566	563	560	558	555
869	866	862	859	855	852	848	844	840	836
866	862	858	853	849	845	840	835	831	826
0	0	0	0	0	0	0	0	0	0
283	236	189	143	96	51	5	0	0	0
892	889	885	881	878	874	870	866	862	858
535	534	532	530	528	526	524	522	520	518
3.435	3.367	3.299	3.231	3.163	3.096	3.028	2.961	2.895	2.828
1.452	1.375	1.298	1.222	1.146	1.071	997	924	851	779
1.392	1.387	1.382	1.377	1.372	1.367	1.362	1.356	1.351	1.346
1.071	1.046	1.021	996	970	962	957	952	948	943
0	0	0	0	0	0	0	0	0	0
1.211	1.205	1.199	1.193	1.188	1.182	1.175	1.169	1.163	1.157
2.043	2.035	2.028	2.020	2.012	2.003	1.995	1.987	1.978	1.969
7.085	7.090	7.093	7.095	7.094	7.092	7.088	7.083	7.075	7.066
925	922	919	917	914	911	908	905	902	899
614	611	609	606	604	601	599	596	594	591
471	469	467	465	463	461	459	458	455	453
0	0	0	0	0	0	0	0	0	0
1.044	1.041	1.037	1.033	1.030	1.026	1.022	1.018	1.014	1.011
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
2.213	2.202	2.191	2.180	2.168	2.157	2.145	2.133	2.121	2.108
0	0	0	0	0	0	0	0	0	0
1.095	1.083	1.071	1.059	1.047	1.035	1.023	1.011	999	987
680	677	674	671	668	664	661	658	654	651
1.872	1.866	1.859	1.852	1.845	1.838	1.831	1.824	1.817	1.809
1.770	1.719	1.668	1.617	1.583	1.574	1.565	1.555	1.546	1.536
2.743	2.749	2.755	2.759	2.764	2.767	2.771	2.773	2.775	2.777
2.907	2.884	2.860	2.836	2.812	2.788	2.763	2.738	2.713	2.687
2.598	2.525	2.452	2.378	2.302	2.236	2.226	2.215	2.204	2.193
109	20	0	0	0	0	0	0	0	0
815	812	809	805	802	798	795	791	787	784
2.273	2.263	2.254	2.244	2.234	2.224	2.213	2.203	2.192	2.182
1.243	1.238	1.232	1.227	1.221	1.215	1.209	1.203	1.197	1.191
0	0	0	0	0	0	0	0	0	0

658	643	628	613	598	583	568	553	538	524
15.344	15.153	14.962	14.770	14.578	14.386	14.194	14.001	13.808	13.615
2.474	2.485	2.496	2.506	2.516	2.525	2.534	2.542	2.549	2.556
834	830	825	821	816	812	807	803	798	793
850	847	843	839	835	830	826	822	818	813
1.097	1.093	1.090	1.086	1.083	1.079	1.075	1.071	1.067	1.063
2.873	2.843	2.813	2.782	2.751	2.720	2.689	2.657	2.625	2.593
1.075	1.071	1.067	1.063	1.060	1.056	1.052	1.048	1.044	1.039
1.794	1.786	1.778	1.770	1.761	1.753	1.744	1.735	1.726	1.717
852	850	849	847	846	844	843	841	840	838
1.681	1.675	1.670	1.664	1.658	1.652	1.647	1.641	1.634	1.628
1.783	1.709	1.635	1.561	1.487	1.412	1.338	1.264	1.190	1.116
615	612	609	606	603	600	597	593	590	587
950	947	944	941	937	934	931	928	924	921
602	600	598	596	593	591	589	586	584	581
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
1.262	1.258	1.255	1.251	1.247	1.243	1.239	1.235	1.231	1.227
935	922	909	896	883	870	857	844	831	818
965	956	948	940	931	923	914	906	897	888
1.127	1.041	954	936	932	928	924	920	916	912
497	495	493	491	489	487	485	483	481	479
288	287	285	283	282	280	278	277	275	273
2.050	2.043	2.036	2.029	2.022	2.015	2.007	2.000	1.992	1.985
955	933	911	888	866	843	820	797	774	750
1.076	1.072	1.068	1.064	1.060	1.056	1.052	1.048	1.044	1.040
1.435	1.423	1.410	1.398	1.385	1.373	1.360	1.347	1.335	1.322
446	445	443	442	440	438	437	435	433	432
957	953	950	946	942	938	934	930	926	922
369	368	366	364	362	361	359	357	355	353
5.708	5.673	5.637	5.601	5.564	5.528	5.491	5.453	5.416	5.378
516	514	512	510	508	506	504	503	500	498
2.318	2.203	2.087	1.971	1.855	1.739	1.622	1.505	1.389	1.379
1.097	1.094	1.091	1.088	1.085	1.081	1.078	1.075	1.072	1.068
8.799	8.765	8.729	8.691	8.651	8.610	8.568	8.524	8.478	8.431
9.046	8.976	8.904	8.832	8.759	8.686	8.612	8.537	8.462	8.386
1.339	1.328	1.318	1.307	1.296	1.285	1.274	1.263	1.252	1.241
988	983	979	975	970	966	961	956	952	947
1.988	1.978	1.967	1.957	1.946	1.934	1.923	1.912	1.900	1.889
877	874	871	868	864	861	858	854	851	847
4.429	4.409	4.389	4.368	4.347	4.326	4.305	4.283	4.261	4.239
931	927	924	920	916	912	908	904	900	896
1.431	1.426	1.421	1.415	1.410	1.404	1.399	1.393	1.387	1.381
1.885	1.878	1.871	1.864	1.857	1.849	1.842	1.834	1.827	1.819
3.244	3.212	3.180	3.147	3.114	3.082	3.049	3.016	2.982	2.949
709	706	703	700	697	694	691	688	685	682
246	246	245	244	243	242	241	240	239	238
0	0	0	0	0	0	0	0	0	0
809	804	800	795	791	786	782	777	772	767
615	610	604	598	592	586	580	573	567	561
1.554	1.547	1.540	1.533	1.526	1.519	1.511	1.504	1.496	1.489
516	487	458	430	401	373	344	316	288	260
476	474	472	470	468	466	464	461	459	457
646	642	639	635	632	628	624	621	617	613
6.512	6.299	6.089	5.879	5.672	5.466	5.262	5.060	4.860	4.662
1.944	1.936	1.928	1.919	1.911	1.902	1.894	1.885	1.876	1.866
3.557	3.363	3.170	2.980	2.792	2.606	2.423	2.243	2.065	1.890
4.462	4.469	4.474	4.479	4.482	4.485	4.486	4.487	4.487	4.485
0	0	0	0	0	0	0	0	0	0
724	715	707	699	690	682	673	665	656	648
2.242	2.186	2.129	2.073	2.017	1.961	1.905	1.850	1.796	1.741
2.024	2.017	2.011	2.004	1.997	1.990	1.983	1.976	1.968	1.961

9.011	9.007	9.001	8.993	8.983	8.971	8.958	8.942	8.925	8.905
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
3.947	3.920	3.892	3.863	3.835	3.805	3.776	3.746	3.715	3.684
984	980	976	973	969	965	961	957	953	949
596	594	592	589	586	584	581	579	576	573
198	197	196	195	194	193	192	191	190	189
0	0	0	0	0	0	0	0	0	0
1.882	1.748	1.614	1.480	1.426	1.419	1.412	1.405	1.398	1.391
672	669	666	664	661	658	655	653	650	647
4.212	4.148	4.084	4.020	3.956	3.892	3.828	3.765	3.701	3.638
262	261	260	259	258	257	256	255	254	253
1.683	1.676	1.670	1.664	1.657	1.650	1.644	1.637	1.630	1.623
2.268	2.144	2.056	2.047	2.037	2.028	2.018	2.008	1.998	1.988
1.165	1.034	904	775	647	521	395	271	148	27
3.945	3.918	3.891	3.864	3.837	3.810	3.783	3.755	3.728	3.700
1.275	1.270	1.265	1.260	1.255	1.249	1.244	1.238	1.233	1.227
251	250	249	248	247	245	244	243	242	241
828	824	820	817	813	809	805	801	797	793
679	677	674	672	670	667	665	662	660	657
548	546	544	542	540	538	536	534	532	530
1.813	1.808	1.803	1.797	1.792	1.786	1.780	1.774	1.768	1.761
681	678	674	671	668	664	661	657	654	650
4.446	4.381	4.317	4.252	4.187	4.123	4.058	3.993	3.929	3.864
1.879	1.859	1.839	1.819	1.799	1.779	1.759	1.739	1.719	1.699
875	852	829	806	783	760	737	714	691	668
1.170	1.163	1.157	1.150	1.143	1.136	1.129	1.122	1.115	1.108
1.665	1.669	1.673	1.675	1.678	1.680	1.681	1.682	1.682	1.682
11.668	11.594	11.520	11.444	11.367	11.289	11.209	11.129	11.048	10.965
0	0	0	0	0	0	0	0	0	0
1.580	1.539	1.499	1.459	1.419	1.379	1.339	1.299	1.260	1.220
522	520	518	516	514	512	510	507	505	503
1.044	1.037	1.030	1.023	1.016	1.009	1.002	994	987	979
2.016	2.008	2.000	1.992	1.984	1.975	1.967	1.958	1.949	1.940
498	478	476	473	471	468	465	463	460	457
1.681	1.675	1.669	1.663	1.657	1.651	1.644	1.638	1.632	1.625
339	338	336	335	334	333	331	330	328	327
939	928	918	907	896	886	875	864	853	842
871	868	864	860	855	851	847	843	838	834
2.160	2.108	2.055	2.002	1.949	1.897	1.844	1.792	1.739	1.687
1.767	1.711	1.656	1.601	1.546	1.491	1.436	1.382	1.328	1.274
1.308	1.239	1.171	1.102	1.034	965	897	830	762	695
936	933	929	926	922	919	915	911	907	904
628	625	622	619	616	614	611	608	605	602
1.803	1.792	1.781	1.769	1.758	1.746	1.734	1.723	1.711	1.699
572	565	558	552	545	539	532	525	519	512
771	768	765	762	758	755	752	748	745	742
875	824	774	725	676	627	579	532	485	438
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
3.324	3.304	3.283	3.262	3.240	3.218	3.196	3.173	3.150	3.127
776	773	770	768	765	762	759	756	753	749
3.057	3.016	2.975	2.934	2.892	2.850	2.808	2.765	2.722	2.679
484	482	479	477	475	473	470	468	466	463
1.018	1.014	1.010	1.006	1.002	998	993	989	985	980
3.567	3.547	3.527	3.506	3.485	3.464	3.443	3.422	3.400	3.378
0	0	0	0	0	0	0	0	0	0
631	619	608	596	584	572	559	547	534	521
1.593	1.588	1.582	1.577	1.571	1.565	1.559	1.553	1.547	1.541
2.841	2.780	2.718	2.655	2.592	2.528	2.464	2.399	2.334	2.268
680	676	672	668	664	659	655	650	646	641
978	975	971	967	964	960	956	953	949	945

725	715	704	694	683	673	662	652	641	630
6.279	6.236	6.193	6.149	6.106	6.061	6.016	5.971	5.925	5.879
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
2.299	2.274	2.249	2.223	2.198	2.172	2.146	2.121	2.095	2.068
0	0	0	0	0	0	0	0	0	0
427	399	371	343	315	287	259	232	204	177
0	0	0	0	0	0	0	0	0	0
8.310	8.258	8.206	8.153	8.100	8.047	7.993	7.939	7.884	7.830
179	94	9	0	0	0	0	0	0	0
885	881	877	872	868	864	860	855	851	846
496	494	492	489	487	485	483	481	478	476
2.381	2.306	2.231	2.156	2.081	2.006	1.932	1.857	1.783	1.709
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
919	914	909	904	899	894	889	884	878	873
1.983	1.977	1.972	1.966	1.960	1.955	1.949	1.943	1.937	1.931
979	976	973	969	966	962	959	955	951	948
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
969	957	946	935	923	912	900	889	877	866
744	741	738	735	733	730	727	724	721	718
1.035	1.031	1.026	1.021	1.016	1.011	1.005	1.000	995	989
2.760	2.754	2.748	2.743	2.737	2.732	2.726	2.720	2.715	2.709
0	0	0	0	0	0	0	0	0	0
1.578	1.572	1.566	1.560	1.553	1.547	1.540	1.534	1.527	1.520
1.336	1.330	1.323	1.317	1.310	1.304	1.297	1.290	1.283	1.276
603	489	376	264	153	43	0	0	0	0
705	701	697	693	689	685	681	676	672	667
6.139	6.010	5.881	5.752	5.623	5.495	5.367	5.240	5.112	4.986
529	527	525	522	520	518	516	514	511	509
1.961	1.945	1.928	1.911	1.894	1.877	1.860	1.843	1.826	1.809
395	394	392	391	389	388	386	385	383	382
2.257	2.225	2.192	2.160	2.127	2.094	2.062	2.029	1.997	1.965
865	849	832	815	798	781	765	748	731	715
795	792	788	785	781	778	774	771	767	764
1.594	1.584	1.573	1.562	1.551	1.540	1.529	1.518	1.507	1.496
947	926	905	884	862	841	819	796	774	751
453	451	450	449	448	446	445	444	442	441
558	554	551	548	544	541	537	534	530	527
2.882	2.788	2.695	2.603	2.512	2.421	2.331	2.241	2.153	2.065
2.812	2.755	2.698	2.641	2.584	2.528	2.471	2.415	2.360	2.304
5.106	5.053	5.000	4.945	4.890	4.834	4.777	4.720	4.662	4.603
74	59	45	30	16	2	0	0	0	0
1.484	1.456	1.428	1.400	1.372	1.344	1.315	1.287	1.258	1.229
190	189	188	188	187	186	185	184	183	182
11.131	10.760	10.389	10.021	9.653	9.287	8.922	8.560	8.199	7.840
7.347	7.294	7.241	7.186	7.131	7.075	7.018	6.960	6.902	6.843
1.431	1.377	1.324	1.270	1.217	1.164	1.112	1.059	1.007	955
695	692	689	687	684	681	679	676	673	670
457	455	454	452	451	449	447	446	444	442
1.563	1.327	1.094	864	637	414	194	0	0	0
1.341	1.336	1.331	1.326	1.322	1.317	1.312	1.306	1.301	1.296
797	794	791	788	785	781	778	775	772	768
343	341	340	338	336	334	332	331	329	327
790	787	784	781	777	774	770	767	763	759
418	416	414	412	410	408	406	404	402	400
369	368	366	365	363	362	361	359	358	356
761	758	755	752	749	745	742	739	736	732
603	601	598	596	593	590	587	585	582	579
793	789	786	782	779	775	772	768	764	761
1.248	1.244	1.240	1.235	1.230	1.226	1.221	1.216	1.211	1.206

843	836	829	822	814	807	800	792	785	777
0	0	0	0	0	0	0	0	0	0
719.303	710.292	701.475	692.992	684.640	676.463	668.524	660.815	653.376	646.017

ano 2067	ano 2068	ano 2069	ano 2070
1.521	1.514	1.507	1.499
1.057	1.051	1.045	1.040
4.405	4.385	4.364	4.344
615	613	610	607
1.698	1.691	1.684	1.677
4.002	3.931	3.860	3.789
1.016	1.012	1.008	1.004
539	536	534	531
2.624	2.613	2.602	2.591
491	489	486	484
1.103	1.097	1.091	1.085
0	0	0	0
1.976	1.968	1.961	1.953
689	685	681	678
311	310	308	307
1.624	1.616	1.608	1.600
1.144	1.137	1.129	1.121
367	365	363	361
2.244	2.243	2.241	2.238
1.766	1.757	1.748	1.739
213	134	55	0
948	943	939	934
268	264	260	255
3.302	3.286	3.271	3.255
1.681	1.685	1.688	1.691
0	0	0	0
934	929	924	919
1.942	1.932	1.922	1.912
934	930	926	921
0	0	0	0
0	0	0	0
634	633	633	632
640	636	632	629
3.571	3.519	3.467	3.414
286	284	283	281
842	835	828	821
2.310	2.293	2.275	2.257
629	626	624	622
225	223	222	221
444	442	440	438
2.595	2.586	2.576	2.566
766	762	759	756
0	0	0	0
177	177	176	175
626	623	619	616
817	814	810	806
623	620	617	614
1.628	1.605	1.581	1.558
1.019	1.014	1.009	1.004
0	0	0	0
578	576	573	571
1.333	1.306	1.279	1.253
2.886	2.841	2.796	2.750
1.637	1.631	1.624	1.618
783	779	775	771
301	300	299	297
1.340	1.333	1.325	1.318
0	0	0	0
2.813	2.791	2.769	2.747
2.927	2.935	2.943	2.951
6.620	6.509	6.398	6.288

0	0	0	0
2.020	1.994	1.968	1.943
429	427	425	423
1.322	1.316	1.309	1.303
6.378	6.246	6.114	5.983
265	263	262	260
578	575	572	570
926	899	872	867
1.607	1.599	1.591	1.583
0	0	0	0
1.811	1.792	1.773	1.754
0	0	0	0
677	658	640	621
7.509	7.452	7.394	7.336
2.293	2.282	2.271	2.260
946	940	934	928
0	0	0	0
16.757	16.415	16.072	15.729
0	0	0	0
869	858	847	836
1.375	1.371	1.367	1.362
1.231	1.232	1.233	1.234
1.129	1.123	1.117	1.112
0	0	0	0
1.388	1.339	1.291	1.243
777	772	767	762
0	0	0	0
2.603	2.586	2.569	2.552
0	0	0	0
1.475	1.377	1.280	1.184
514	512	510	509
848	843	838	833
815	811	807	802
794	790	787	783
0	0	0	0
739	736	732	728
1.476	1.456	1.436	1.417
2.014	1.996	1.977	1.959
647	644	641	638
3.380	3.365	3.351	3.336
0	0	0	0
862	858	853	848
652	643	633	624
1.199	1.169	1.138	1.107
356	355	353	351
0	0	0	0
3.277	3.239	3.201	3.162
0	0	0	0
384	383	381	380
1.042	1.033	1.024	1.015
897	893	889	884
582	579	576	573
933	928	923	918
881	876	870	865
610	608	605	602
754	749	745	740
576	575	573	571
1.116	1.106	1.095	1.084
1.048	1.043	1.037	1.032
244	243	241	240
3.546	3.531	3.515	3.499
661	658	655	651

736	732	729	725
0	0	0	0
619	617	615	613
731	710	688	667
1.188	1.182	1.177	1.171
764	761	758	755
937	934	931	928
1.356	1.344	1.332	1.320
739	740	741	742
570	567	564	561
848	844	840	836
5.446	5.321	5.196	5.069
1.307	1.262	1.216	1.172
696	692	688	685
496	483	470	457
1.246	1.241	1.236	1.231
517	515	512	510
0	0	0	0
996	963	931	898
2.178	2.168	2.158	2.148
361	360	358	357
248	247	246	245
825	820	816	811
973	968	963	958
0	0	0	0
827	823	818	814
449	447	445	443
1.884	1.876	1.869	1.861
289	288	286	284
1.170	1.164	1.158	1.152
1.383	1.376	1.369	1.362
418	410	403	395
1.767	1.765	1.763	1.761
0	0	0	0
2.321	2.265	2.209	2.154
855	851	848	845
240	239	238	237
698	695	691	688
0	0	0	0
607	603	600	597
687	684	680	677
1.144	1.137	1.130	1.123
1.281	1.277	1.272	1.267
2.612	2.588	2.564	2.540
621	619	617	614
2.638	2.627	2.616	2.604
2.149	2.107	2.064	2.022
872	868	864	860
407	405	403	401
44	0	0	0
0	0	0	0
1.555	1.547	1.540	1.532
516	513	511	508
2.950	2.938	2.927	2.915
468	466	463	460
0	0	0	0
0	0	0	0
2.054	2.041	2.029	2.017
1.089	998	908	819
744	741	738	735
2.056	2.032	2.006	1.981
0	0	0	0

392	390	389	387
2.017	2.000	1.984	1.967
286	248	211	175
681	678	674	671
473	470	467	464
568	565	563	560
962	930	897	864
0	0	0	0
3.328	3.316	3.304	3.291
427	425	423	421
1.385	1.380	1.374	1.369
412	411	409	406
1.961	1.958	1.954	1.951
341	340	338	337
0	0	0	0
2.321	2.298	2.273	2.246
0	0	0	0
1.130	1.125	1.119	1.113
0	0	0	0
834	829	825	820
585	582	579	576
186	185	184	184
1.371	1.360	1.348	1.337
476	474	472	470
3.257	3.250	3.242	3.234
43	20	0	0
836	833	830	827
722	719	717	714
2.324	2.284	2.243	2.203
954	949	944	939
908	905	903	900
710	707	704	701
808	785	761	738
1.040	1.035	1.030	1.026
763	760	758	755
306	305	303	302
403	372	342	312
2.089	2.036	1.983	1.930
641	625	609	594
1.225	1.219	1.213	1.208
3.281	3.231	3.180	3.129
952	910	869	828
837	834	830	827
156	155	154	153
0	0	0	0
1.981	1.973	1.965	1.958
0	0	0	0
936	931	926	921
0	0	0	0
1.783	1.777	1.771	1.764
84	64	45	25
1.019	1.011	1.003	995
2.611	2.591	2.572	2.552
517	514	511	508
1.129	1.123	1.116	1.110
1.423	1.416	1.408	1.401
2.695	2.652	2.637	2.622
898	893	889	884
0	0	0	0
1.534	1.521	1.508	1.495
2.936	2.920	2.904	2.888
173	172	171	171

1.215	1.186	1.157	1.128
1.293	1.287	1.281	1.275
920	915	910	905
2.167	2.146	2.124	2.103
651	648	644	641
389	388	387	385
113	110	107	103
1.223	1.218	1.213	1.208
409	407	405	402
1.148	1.142	1.136	1.130
931	926	922	917
16.011	15.965	15.913	15.856
998	993	988	983
838	834	830	825
1.651	1.643	1.635	1.626
2.407	2.411	2.416	2.420
1.159	1.097	1.085	1.079
0	0	0	0
1.989	1.981	1.973	1.966
628	625	622	619
0	0	0	0
517	514	511	508
1.248	1.216	1.208	1.201
861	857	853	848
0	0	0	0
864	859	854	849
552	549	546	543
832	828	824	820
822	817	812	807
0	0	0	0
0	0	0	0
854	850	846	842
516	514	511	509
2.762	2.696	2.631	2.565
708	638	569	501
1.340	1.335	1.329	1.323
938	933	928	922
0	0	0	0
1.150	1.144	1.137	1.131
1.961	1.952	1.943	1.934
7.055	7.042	7.028	7.012
896	893	889	886
588	585	583	580
451	449	447	445
0	0	0	0
1.007	1.002	998	994
0	0	0	0
0	0	0	0
2.096	2.083	2.071	2.058
0	0	0	0
975	963	951	939
647	644	640	637
1.802	1.794	1.787	1.779
1.526	1.516	1.506	1.496
2.778	2.778	2.778	2.778
2.661	2.635	2.609	2.582
2.182	2.171	2.159	2.148
0	0	0	0
780	776	772	768
2.171	2.160	2.149	2.137
1.185	1.179	1.173	1.166
0	0	0	0

509	494	479	465
13.422	13.229	13.037	12.844
2.562	2.568	2.574	2.578
788	783	778	773
809	805	800	796
1.059	1.055	1.051	1.047
2.561	2.529	2.496	2.463
1.035	1.031	1.027	1.022
1.708	1.699	1.690	1.680
837	835	834	832
1.622	1.616	1.609	1.603
1.041	967	935	930
584	580	577	574
917	914	910	907
579	576	574	571
0	0	0	0
0	0	0	0
1.223	1.219	1.215	1.210
804	791	778	764
880	871	862	853
908	904	900	895
477	474	472	470
271	270	268	266
1.977	1.969	1.961	1.953
732	728	725	721
1.035	1.031	1.026	1.022
1.309	1.297	1.284	1.271
430	428	426	424
918	914	910	905
351	349	347	345
5.340	5.302	5.263	5.224
496	494	492	490
1.373	1.367	1.361	1.355
1.065	1.062	1.058	1.055
8.382	8.332	8.280	8.227
8.310	8.234	8.156	8.079
1.229	1.218	1.207	1.196
942	937	932	927
1.877	1.865	1.853	1.841
844	840	837	833
4.216	4.193	4.170	4.147
892	887	883	879
1.375	1.369	1.363	1.357
1.811	1.803	1.795	1.787
2.916	2.882	2.849	2.815
679	676	673	669
237	236	235	234
0	0	0	0
762	757	752	747
554	547	541	534
1.481	1.473	1.465	1.457
232	204	177	149
454	452	450	447
609	605	601	597
4.466	4.272	4.080	3.891
1.857	1.847	1.838	1.828
1.717	1.547	1.381	1.217
4.483	4.480	4.476	4.471
0	0	0	0
639	630	622	613
1.687	1.634	1.581	1.528
1.953	1.946	1.938	1.930

8.884	8.861	8.835	8.809
0	0	0	0
0	0	0	0
3.653	3.622	3.590	3.557
945	941	936	932
570	567	565	562
188	187	186	185
0	0	0	0
1.384	1.376	1.369	1.361
644	641	638	635
3.575	3.512	3.449	3.387
252	250	249	248
1.616	1.608	1.601	1.594
1.977	1.967	1.956	1.946
0	0	0	0
3.672	3.644	3.617	3.589
1.222	1.216	1.210	1.204
239	238	237	235
789	785	780	776
654	652	649	646
528	526	524	522
1.755	1.748	1.741	1.734
646	643	639	635
3.800	3.735	3.671	3.607
1.679	1.659	1.639	1.619
646	627	613	599
1.100	1.093	1.086	1.078
1.682	1.680	1.679	1.677
10.881	10.797	10.712	10.625
0	0	0	0
1.181	1.142	1.104	1.065
500	498	496	493
972	964	956	948
1.931	1.922	1.913	1.904
454	452	449	446
1.619	1.612	1.605	1.598
326	324	323	321
831	820	809	798
830	825	820	816
1.635	1.583	1.532	1.480
1.220	1.167	1.113	1.060
628	561	494	428
900	896	892	888
598	595	592	589
1.687	1.674	1.662	1.650
505	499	492	485
738	735	731	727
392	347	302	258
0	0	0	0
0	0	0	0
3.104	3.080	3.056	3.032
746	743	740	737
2.636	2.593	2.549	2.505
461	458	456	453
976	971	966	962
3.356	3.334	3.311	3.289
0	0	0	0
508	495	481	468
1.535	1.529	1.522	1.516
2.201	2.134	2.102	2.091
637	632	627	622
941	937	933	929

620	609	598	587
5.833	5.786	5.738	5.691
0	0	0	0
0	0	0	0
2.042	2.016	1.990	1.963
0	0	0	0
150	124	97	71
0	0	0	0
7.774	7.719	7.663	7.607
0	0	0	0
842	837	832	828
474	472	469	467
1.635	1.561	1.487	1.414
0	0	0	0
0	0	0	0
867	862	856	851
1.924	1.918	1.912	1.905
944	940	936	932
0	0	0	0
0	0	0	0
854	842	831	819
715	712	709	706
984	978	973	967
2.704	2.698	2.693	2.687
0	0	0	0
1.513	1.506	1.499	1.491
1.269	1.262	1.255	1.247
0	0	0	0
663	658	654	649
4.860	4.734	4.609	4.485
507	505	502	500
1.791	1.774	1.756	1.739
380	379	377	376
1.932	1.900	1.868	1.836
698	682	666	649
760	756	752	748
1.485	1.474	1.462	1.451
738	735	732	729
440	438	437	435
523	519	515	512
1.978	1.892	1.807	1.723
2.249	2.195	2.140	2.087
4.543	4.482	4.421	4.359
0	0	0	0
1.199	1.170	1.140	1.130
181	180	180	179
7.483	7.128	6.776	6.427
6.783	6.722	6.661	6.599
904	853	802	751
667	664	661	658
440	438	437	435
0	0	0	0
1.291	1.285	1.280	1.275
765	762	758	755
325	323	321	319
756	752	748	744
398	395	393	391
354	353	351	350
729	726	722	719
576	573	570	567
757	753	749	745
1.201	1.196	1.191	1.186

769	761	753	745
0	0	0	0
638.754	631.672	624.802	618.052